

Converting Colors

XYZ(50.6664, 67.0697, 95.8709)

Have a look what the booklet for
XYZ(50.6664, 67.0697, 95.8709)
contains.

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Color

**XYZ(50.6652, 67.0697,
95.8634)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | 66E8F4 |
| RGB | 102, 232, 244 |
| RGB Percent | 40%, 91%, 96% |
| CMY | 0.6000, 0.0902, 0.0431 |
| CMYK | 0.58, 0.05, 0.00, 0.04 |
| HSL | 185°, 87%, 68% |
| HSV | 185°, 58%, 96% |
| XYZ | 50.6652, 67.0697, 95.8634 |
| YIQ | 194.4980, -81.3320, -23.8280 |

Conversions

Conversions Part 2

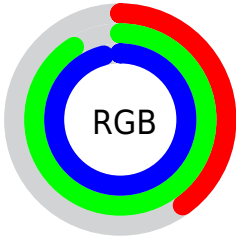
| Format | Color |
|-------------------------------------|---|
| RYB | 102, 170, 244 |
| Decimal | 6744308 |
| CIELab | 85.54, -32.26, -16.62 |
| CIElCh | 86, 36.289, 207.258 |
| Yxy | 67.0697, 0.2372, 0.3140 |
| Android (android.graphics.Color) | 4284934388 (0xFF66E8F4) |
| YUV | 194.4980, 24.4045, -81.1207 |
| Hunter-Lab | 81.8961, -32.8887, -12.0746 |

Details

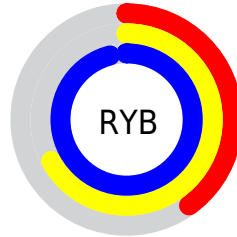
The XYZ color **50.6652, 67.0697, 95.8634** is a light color, and the websafe version is hex **66FFFF**. A complement of this color would be **45.7252, 32.2284, 16.3828**, and the grayscale version is **51.4696, 54.1500, 58.9694**.

A 20% lighter version of the original color is **69.3270, 86.7393, 107.6962**, and **24.7684, 34.7671, 52.9822** is the 20% darker color. If you saturate the color by 10%, you get **47.7198, 64.6962, 95.5617**, and if you desaturate by 10%, it is **54.4351, 69.8812, 96.2086**.

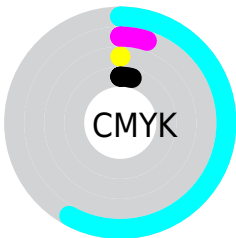
Distribution



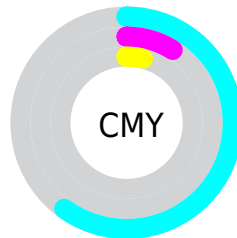
- Red (40%)
- Green (91%)
- Blue (96%)



- Red (40%)
- Yellow (67%)
- Blue (96%)



- Cyan (58%)
- Magenta (5%)
- Yellow (0%)
- Black (4%)



- Cyan (60%)
- Magenta (9%)
- Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 50.6652, 67.0697, 95.8634 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 50.6652, 67.0697, 95.8634 by changing the saturation by 10% instead.

50.6652, 67.0697,
95.8634

50.6652, 67.0697,
95.8634

379.6707,
450.1928, 567.9802

36.1622, 49.1413,
72.2529

90.3456, 115.0203,
157.4627

24.7302, 34.7316,
52.8772

116.2538,
145.8112, 196.2886

16.0038, 23.4562,
37.3177

146.6943,
181.6585, 241.0235

9.6177, 14.9307,
25.1559

182.0326,
222.9464, 292.0858

5.2065, 8.7708,
15.9731

222.6341,
270.0594, 349.8940

2.4050, 4.5920,
9.3510

268.8640,

0.8476, 2.0099,

323.3819, 414.8668

4.8709

321.0878,
383.2982, 487.4227

■ 0.0000, 0.6132,
2.1143

■ 0.0000, 0.0000,
0.6243

■ 50.6652, 67.0697,
95.8634

■ 50.6652, 67.0697,
95.8634

■ 47.7198, 64.6962,
95.5617

■ 54.4351, 69.8812,
96.2086

■ 45.5189, 62.7152,
95.2954


■ 59.0881, 73.1567,
96.5956


■ 43.9777, 61.0843,
95.0618


■ 64.6846, 76.9287,
97.0287


■ 42.9749, 59.7410,
94.8554


■ 71.2779, 81.2248,
97.5104


 42.8200, 59.5129,
94.8195

 78.9172, 86.0705,
98.0431

 87.6487, 91.4893,
98.6288

 90.6578, 93.9686,
98.9488

 91.2899, 95.2327,
99.1595

 91.9289, 96.5108,
99.3725

Harmonies

Analogous

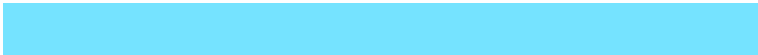
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



49.1846, 67.0697, 70.8764



50.6652, 67.0697, 95.8634



55.5503, 67.0697, 118.2715

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



50.6652, 67.0697, 95.8634



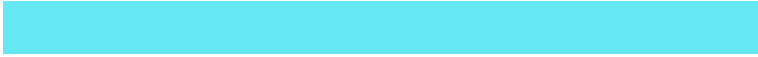
78.0369, 67.0697, 100.4460



64.5094, 67.0697, 36.4105

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



50.6652, 67.0697, 95.8634



45.7252, 32.2284, 16.3828

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



72.7144, 67.0697, 41.1029



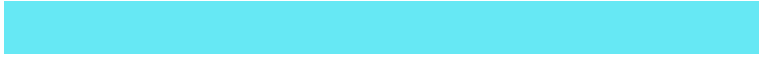
50.6652, 67.0697, 95.8634



80.9344, 67.0697, 75.2217

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



50.6652, 67.0697, 95.8634



71.2894, 67.0697, 121.2931



78.9082, 67.0697, 54.1407



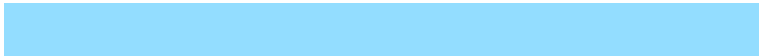
56.7577, 67.0697, 39.6396

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



50.6652, 67.0697, 95.8634



60.3139, 67.0697, 126.8809



78.9082, 67.0697, 54.1407



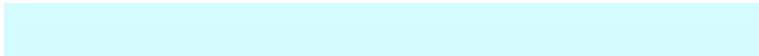
67.3095, 67.0697, 37.0851

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



50.6673, 67.0722, 95.8650



79.7032, 90.3703, 107.8501



40.8595, 68.7387, 26.9861



16.7203, 19.1250, 23.0602



0.0000, 0.0000, 0.0000



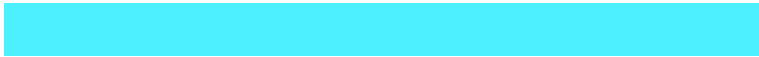
20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



50.6673, 67.0722, 95.8650



52.2062, 71.0488, 105.5700



34.5844, 34.9065, 90.5040



16.8699, 18.5042, 21.2251



23.3327, 32.4592, 51.5735



2.0854, 2.9221, 4.5444

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



56.6268, 34.5638, 80.0336



59.5750, 32.7844, 85.5620



57.0222, 54.8226, 20.1485



17.1497, 16.7427, 20.5348



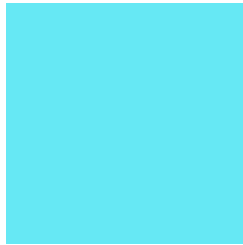
27.5818, 13.3762, 39.3676



2.4417, 1.1826, 3.5521

Previews

White Background



This preview shows how the XYZ color 50.6652, 67.0697, 95.8634 looks on a white background.

Color Contrast Check

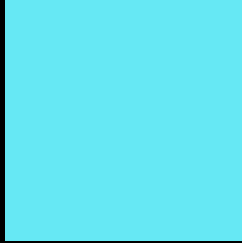
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 50.6652, 67.0697, 95.8634 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

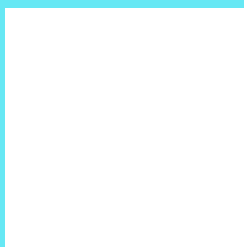
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 50.6652, 67.0697, 95.8634

Background



This preview shows how black text looks on a background with the XYZ color 50.6652, 67.0697, 95.8634.

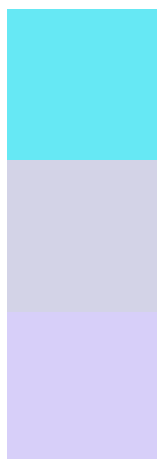


This preview shows how white text looks on a background with the XYZ color 50.6652, 67.0697,

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

50.6652, 67.0697, 95.8634

Protanopia

64.5820, 66.2069, 84.9767

Deuteranopia

67.4360, 65.9123, 98.7906



Tritanopia

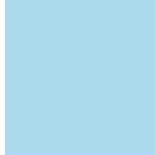
51.5402, 66.9970, 100.6577

Trichromacy



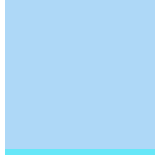
Original Color

50.6652, 67.0697, 95.8634



Protanomaly

57.2664, 65.3771, 88.9577



Deuteranomaly

58.7999, 64.8258, 97.4092



Tritanomaly

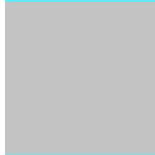
51.1127, 66.8127, 99.0092

Monochromacy



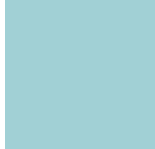
Original Color

50.6652, 67.0697, 95.8634



Achromatopsia

51.8711, 54.5724, 59.4294



Achromatomaly

49.2641, 57.4929, 71.4515

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.6652, 67.0697, 95.8634 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(102, 232, 244)` looks like.

```
.text, #text, p{  
    color:rgb(102, 232, 244)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(102, 232, 244) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 232, 244) }
```

Border

The CSS property to change the border of an element to XYZ 50.6652, 67.0697, 95.8634 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(102, 232, 244) }
```


If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(102, 232, 244) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(102, 232, 244)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 232, 244); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 232, 244);  
box-shadow:4px 4px 4px 4px rgb(102, 232,  
244) }
```

Background

The CSS property to change the background color of an element to XYZ 50.6652, 67.0697, 95.8634 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 232, 244) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(102,  
232, 244) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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