

Converting Colors

XYZ(49.6312, 65.3511, 94.5896)

Have a look what the booklet for
XYZ(49.6312, 65.3511, 94.5896)
contains.

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Color

**XYZ(49.6765, 65.3345,
94.7866)**

Conversions

Conversions Part 1

Format	Color
Hex	66E5F3
RGB	102, 229, 243
RGB Percent	40%, 90%, 95%
CMY	0.6000, 0.1019, 0.0471
CMYK	0.58, 0.06, 0.00, 0.05
HSL	186°, 85%, 68%
HSV	186°, 58%, 95%
XYZ	49.6765, 65.3345, 94.7866
YIQ	192.6230, -80.1860, -22.5700

Conversions

Conversions Part 2

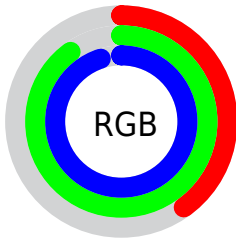
Format	Color
RYB	102, 169, 243
Decimal	6743539
CIELab	84.66, -31.11, -17.42
CIELCh	85, 35.653, 209.253
Yxy	65.3345, 0.2368, 0.3114
Android (android.graphics.Color)	4284933619 (0xFF66E5F3)
YUV	192.6230, 24.8359, -79.4764
Hunter-Lab	80.8298, -31.7492, -12.9467

Details

The XYZ color **49.6765, 65.3345, 94.7866** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **45.6073, 32.5064, 16.4429**, and the grayscale version is **50.3621, 52.9849, 57.7005**.

A 20% lighter version of the original color is **69.1198, 86.6325, 107.6865**, and **24.1102, 33.5766, 52.2239** is the 20% darker color. If you saturate the color by 10%, you get **46.6532, 62.7932, 94.4566**, and if you desaturate by 10%, it is **53.5200, 68.3152, 95.1606**.

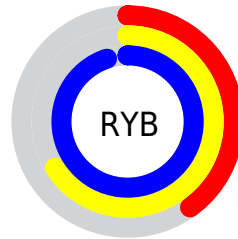
Distribution



Red (40%)

Green (90%)

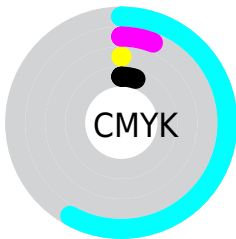
Blue (95%)



Red (40%)

Yellow (66%)

Blue (95%)

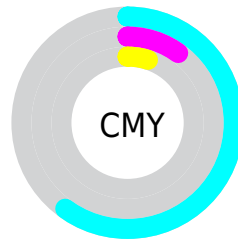


Cyan (58%)

Magenta (6%)

Yellow (0%)

Black (5%)



Cyan (60%)

Magenta (10%)

Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 49.6765, 65.3345, 94.7866 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 49.6765, 65.3345, 94.7866 by changing the saturation by 10% instead.

49.6765, 65.3345,
94.7866

49.6765, 65.3345,
94.7866

375.8724,
443.9930, 564.4485

35.3732, 47.7324,
71.3615

88.8901, 112.5306,
155.9628

24.1183, 33.6150,
52.1536

114.5310,
142.8934, 194.5509

15.5466, 22.5980,
36.7444

144.6819,
178.2785, 239.0305

9.2927, 14.2969,
24.7154

179.7080,
219.0704, 289.8200

4.9912, 8.3275,
15.6481

219.9748,
265.6534, 347.3380

2.2768, 4.3052,
9.1238

265.8476,

0.7828, 1.8457,

318.4119, 412.0031

4.7241

317.6917,
377.7303, 484.2337

■ 0.0000, 0.5154,
2.0304

■ 0.0000, 0.0000,
0.5739

■ 49.6765, 65.3345,
94.7866

■ 49.6765, 65.3345,
94.7866

■ 46.6532, 62.7932,
94.4566

■ 53.5200, 68.3152,
95.1606

■ 44.3712, 60.6464,
94.1625

■ 58.2417, 71.7611,
95.5768

■ 42.7468, 58.8523,
93.9018

■ 63.9013, 75.7043,
96.0396

■ 41.6619, 57.3498,
93.6690

■ 70.5515, 80.1721,
96.5515

41.4771, 57.0696,
93.6247

78.2410, 85.1898,
97.1147

87.0154, 90.7807,
97.7314

90.3406, 93.5765,
98.0958

91.0788, 95.0529,
98.3419

91.8265, 96.5484,
98.5911

Harmonies

Analogous

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



48.0140, 65.3345, 70.5684



49.6765, 65.3345, 94.7866



54.5960, 65.3345, 115.8642

Triad

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



49.6765, 65.3345, 94.7866



76.2068, 65.3345, 95.9899



62.2982, 65.3345, 35.6869

Complementary

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



49.6765, 65.3345, 94.7866



45.6073, 32.5064, 16.4429

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.



70.2586, 65.3345, 39.7184



49.6765, 65.3345, 94.7866



78.6986, 65.3345, 71.7110

Square

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



49.6765, 65.3345, 94.7866



69.8841, 65.3345, 116.6569



76.4357, 65.3345, 51.7917



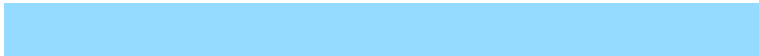
54.9137, 65.3345, 39.3323

Rectangle

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



49.6765, 65.3345, 94.7866



59.2874, 65.3345, 123.4926



76.4357, 65.3345, 51.7917



64.9971, 65.3345, 36.1722

Sweetspot

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



49.6785, 65.3370, 94.7882



79.5029, 89.9698, 107.7834



40.5548, 68.1367, 26.8614



16.6725, 19.0294, 23.0442



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.



49.6785, 65.3370, 94.7882



51.4353, 69.5068, 105.3130



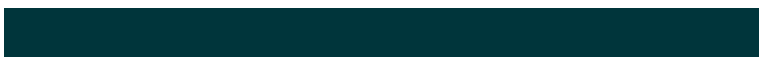
34.3603, 34.7005, 89.6821



16.8479, 18.4601, 21.2177



22.8205, 31.4347, 51.4028



2.0456, 2.8426, 4.5311

Inverse Universe

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



55.8581, 34.2165, 77.7917



59.1858, 32.6288, 83.5128



56.5546, 54.4010, 20.0920



17.1385, 16.7383, 20.4761



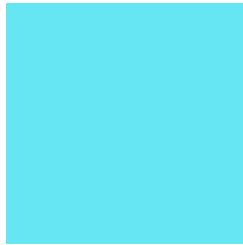
27.3232, 13.2727, 38.0061



2.4216, 1.1746, 3.4464

Previews

White Background



This preview shows how the XYZ color 49.6765, 65.3345, 94.7866 looks on a white background.

Color Contrast Check

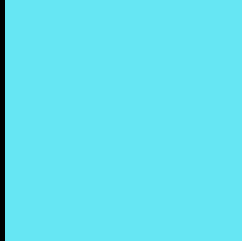
Large Text (above 18pt) WCAG AA × Fail

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 49.6765, 65.3345, 94.7866 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

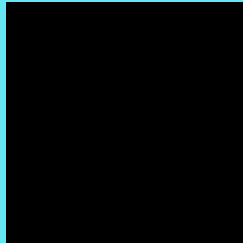
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 49.6765, 65.3345, 94.7866

Background



This preview shows how black text looks on a background with the XYZ color 49.6765, 65.3345, 94.7866.



This preview shows how white text looks on a background with the XYZ color 49.6765, 65.3345,

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

49.6765, 65.3345, 94.7866

Protanopia

62.8512, 64.2348, 83.9489

Deuteranopia

65.9260, 64.4370, 97.7698



Tritanopia

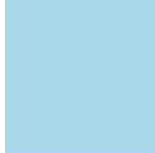
50.2408, 65.1453, 97.9220

Trichromacy



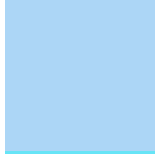
Original Color

49.6765, 65.3345, 94.7866



Protanomaly

55.9134, 63.5449, 87.9157



Deuteranomaly

57.6944, 63.5176, 96.4081



Tritanomaly

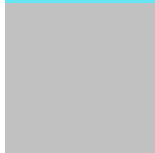
49.9715, 65.0242, 97.1059

Monochromacy



Original Color

49.6765, 65.3345, 94.7866



Achromatopsia

50.6879, 53.3276, 58.0738



Achromatomaly

48.3264, 56.3193, 69.9517

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.6765, 65.3345, 94.7866 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, 229, 243)` looks like.

```
.text, #text, p{  
    color:rgb(102, 229, 243)  
}
```

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, 229, 243) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 229, 243) }
```

Border

The CSS property to change the border of an element to XYZ 49.6765, 65.3345, 94.7866 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, 229, 243) }
```


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

```
.border{ border-color:rgb(102, 229, 243) }
```

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

Here you see how a box with a 4 pixel `rgb(102, 229, 243)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 229, 243); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 229, 243);  
box-shadow:4px 4px 4px 4px rgb(102, 229,  
243) }
```

Background

The CSS property to change the background color of an element to XYZ 49.6765, 65.3345, 94.7866 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 229, 243) }
```

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

```
.background{ background-color: rgb(102,  
229, 243) }
```

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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