

Converting Colors

XYZ(45.7221, 64.2366, 92.5368)

Have a look what the booklet for
XYZ(45.7221, 64.2366, 92.5368)
contains.

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Color

**XYZ(45.6693, 64.1469,
92.4126)**

Conversions

Conversions Part 1

Format	Color
Hex	33E7F0
RGB	51, 231, 240
RGB Percent	20%, 91%, 94%
CMY	0.7999, 0.0941, 0.0588
CMYK	0.79, 0.04, 0.00, 0.06
HSL	183°, 86%, 57%
HSV	183°, 79%, 94%
XYZ	45.6693, 64.1469, 92.4126
YIQ	178.2060, -110.1690, -35.3610

Conversions

Conversions Part 2

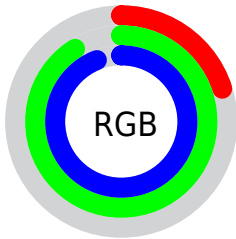
Format	Color
R _{YB}	51, 143, 240
Decimal	3401712
CIE Lab	84.04, -39.60, -16.87
CIE LCh	84, 43.041, 203.080
Yxy	64.1469, 0.2258, 0.3172
Android (android.graphics.Color)	4281591792 (0xFF33E7F0)
YUV	178.2060, 30.4644, -111.5597
Hunter-Lab	80.0918, -38.3777, -12.3466

Details

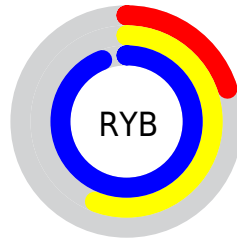
The XYZ color **45.6693, 64.1469, 92.4126** is a light color, and the websafe version is hex **66FFFF**. The color can be described as light washed cyan. A complement of this color would be **38.1502, 21.9978, 5.3691**, and the grayscale version is **42.3147, 44.5184, 48.4805**.

A 20% lighter version of the original color is **63.0159, 83.4858, 107.4008**, and **23.9817, 34.1206, 50.6694** is the 20% darker color. If you saturate the color by 10%, you get **44.4388, 63.0407, 92.2651**, and if you desaturate by 10%, it is **47.5290, 65.5833, 92.5930**.

Distribution



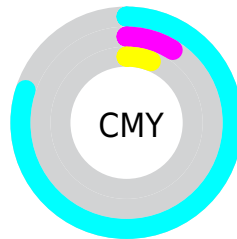
- Red (20%)
- Green (91%)
- Blue (94%)



- Red (20%)
- Yellow (56%)
- Blue (94%)



- Cyan (79%)
- Magenta (4%)
- Yellow (0%)
- Black (6%)





- Cyan (80%)
- Magenta (9%)
- Yellow (6%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 45.6693, 64.1469, 92.4126 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 45.6693, 64.1469, 92.4126 by changing the saturation by 10% instead.


 45.6693, 64.1469,
92.4126


 45.6693, 64.1469,
92.4126


360.2158,
439.7199, 556.6194

 32.1885, 46.7697,
69.3984


 82.9548, 110.8225,
152.6498


 21.6617, 32.8536,
50.5625


 107.4901,
140.8896, 190.7099

 13.7238, 22.0143,
35.4862


 136.4409,
175.9555, 234.6223

 8.0092, 13.8674,
23.7511

 170.1727,
216.4045, 284.8057

 4.1527, 8.0285,
14.9386

209.0507,
262.6210, 341.6786

 1.7889, 4.1132,
8.6302

253.4403,

 0.5110, 1.7371,

314.9895, 405.6595

4.4073

303.7069,
373.8944, 477.1669

■ 0.0000, 0.4475,
1.8513

■ 0.0000, 0.0000,
0.4615

■ 45.6693, 64.1469,
92.4126

■ 45.6693, 64.1469,
92.4126

■ 44.4388, 63.0407,
92.2651

■ 47.5290, 65.5833,
92.5930

■ 43.7075, 62.1935,
92.1401

■ 50.0965, 67.3864,
92.8057

■ 43.6301, 62.0947,
92.1252

■ 53.4449, 69.5951,
93.0556

■ 57.6369, 72.2419,
93.3455

■ 62.7289, 75.3557,
93.6782

■ 68.7720, 78.9630,
94.0559

■ 75.8140, 83.0884,
94.4811

■ 83.8992, 87.7547,
94.9556

■ 88.5089, 90.6325,
95.2681

Harmonies

Analogous

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



44.5824, 64.1469, 63.7331



45.6693, 64.1469, 92.4126



50.6473, 64.1469, 120.5402

Triad

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



45.6693, 64.1469, 92.4126



76.7613, 64.1469, 106.1961



63.1958, 64.1469, 29.7360

Complementary

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



45.6693, 64.1469, 92.4126



38.1502, 21.9978, 5.3691

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.



72.6071, 64.1469, 35.8283



45.6693, 64.1469, 92.4126



80.9486, 64.1469, 76.3358

Square

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



45.6693, 64.1469, 92.4126



68.4104, 64.1469, 129.8328



79.3545, 64.1469, 51.2877



54.0891, 64.1469, 31.9413

Rectangle

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



45.6693, 64.1469, 92.4126



55.8092, 64.1469, 132.7600



79.3545, 64.1469, 51.2877



66.4389, 64.1469, 30.8141

Sweetspot

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



45.6713, 64.1493, 92.4141



75.0843, 88.3378, 107.7013



33.2730, 63.3238, 14.3813



15.5587, 18.6006, 23.0202



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.



45.6713, 64.1493, 92.4141



50.4785, 71.7773, 105.8017



26.3574, 25.5214, 85.9762



16.1791, 17.7924, 20.3031



23.9123, 34.0487, 50.4396



2.0090, 2.8720, 4.2027

Inverse Universe

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



51.5445, 26.6643, 78.0338



57.6816, 28.1168, 87.6466



47.7307, 41.1589, 8.5626



16.4199, 16.0177, 19.7672



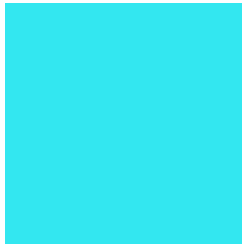
27.3954, 13.2306, 41.5944



2.2890, 1.1046, 3.5127

Previews

White Background



This preview shows how the XYZ color 45.6693, 64.1469, 92.4126 looks on a white background.

Color Contrast Check

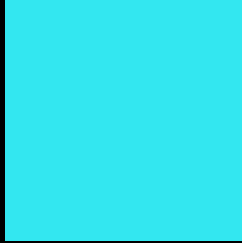
Large Text (above 18pt) WCAG AA × Fail

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 45.6693, 64.1469, 92.4126 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

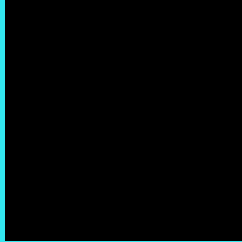
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 45.6693, 64.1469, 92.4126

Background



This preview shows how black text looks on a background with the XYZ color 45.6693, 64.1469, 92.4126.

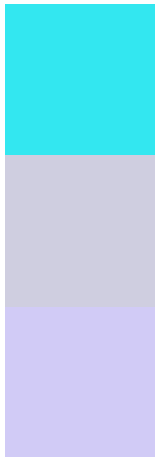


This preview shows how white text looks on a background with the XYZ color 45.6693, 64.1469,

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

45.6693, 64.1469, 92.4126

Protanopia

61.2580, 62.7898, 79.4120

Deuteranopia

64.2850, 62.9210, 95.9456



Tritanopia

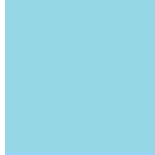
46.9850, 64.2705, 98.7360

Trichromacy



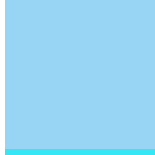
Original Color

45.6693, 64.1469, 92.4126



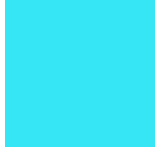
Protanomaly

51.1610, 60.7981, 83.9016



Deuteranomaly

53.0723, 60.7956, 94.5255



Tritanomaly

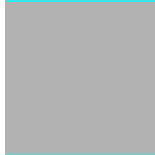
46.3538, 63.9984, 96.2960

Monochromacy



Original Color

45.6693, 64.1469, 92.4126



Achromatopsia

42.3164, 44.5201, 48.4824



Achromatomaly

40.0246, 49.0551, 62.6174

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.6693, 64.1469, 92.4126 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(51, 231, 240)` looks like.

```
.text, #text, p{  
    color:rgb(51, 231, 240)  
}
```

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(51, 231, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 231, 240) }
```

Border

The CSS property to change the border of an element to XYZ 45.6693, 64.1469, 92.4126 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(51, 231, 240) }
```


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

```
.border{ border-color:rgb(51, 231, 240) }
```

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

Here you see how a box with a 4 pixel rgb(51, 231, 240) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 231, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(51, 231, 240);  
box-shadow:4px 4px 4px 4px rgb(51, 231,  
240) }
```

Background

The CSS property to change the background color of an element to XYZ 45.6693, 64.1469, 92.4126 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(51, 231, 240) }
```

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

```
.background{ background-color: rgb(51, 231,  
240) }
```

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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