

Converting Colors

XYZ(45.3731, 54.7247, 75.1031)

Have a look what the booklet for
XYZ(45.3731, 54.7247, 75.1031)
contains.

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Color

**XYZ(45.3387, 54.6604,
75.1787)**

Conversions

Conversions Part 1

Format	Color
Hex	8ACEDB
RGB	138, 206, 219
RGB Percent	54%, 81%, 86%
CMY	0.4588, 0.1921, 0.1412
CMYK	0.37, 0.06, 0.00, 0.14
HSL	190°, 53%, 70%
HSV	190°, 37%, 86%
XYZ	45.3387, 54.6604, 75.1787
YIQ	187.1500, -44.7010, -10.3730

Conversions

Conversions Part 2

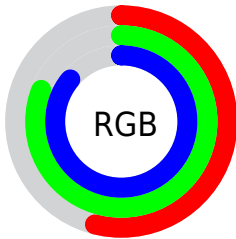
Format	Color
RYB	138, 175, 219
Decimal	9096923
CIELab	78.85, -18.14, -13.24
CIELCh	79, 22.462, 216.128
Yxy	54.6604, 0.2588, 0.3120
Android (android.graphics.Color)	4287287003 (0xFF8ACEDB)
YUV	187.1500, 15.7020, -43.1046
Hunter-Lab	73.9327, -19.9183, -8.5364

Details

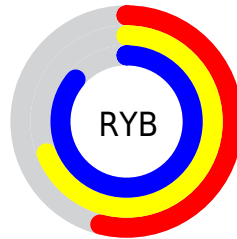
The XYZ color **45.3387, 54.6604, 75.1787** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **44.8682, 39.0288, 29.2145**, and the grayscale version is **47.2523, 49.7131, 54.1376**.

A 20% lighter version of the original color is **76.0581, 90.2093, 108.0112**, and **21.4964, 26.9758, 39.1958** is the 20% darker color. If you saturate the color by 10%, you get **41.2381, 51.3058, 74.7483**, and if you desaturate by 10%, it is **50.1920, 58.4337, 75.6522**.

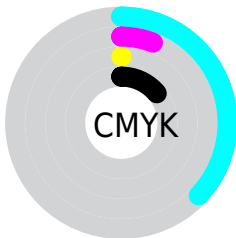
Distribution



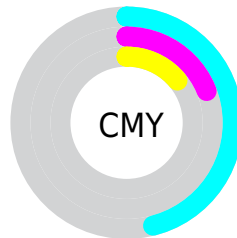
- Red (54%)
- Green (81%)
- Blue (86%)



- Red (54%)
- Yellow (69%)
- Blue (86%)



- Cyan (37%)
- Magenta (6%)
- Yellow (0%)
- Black (14%)



- Cyan (46%)
- Magenta (19%)
- Yellow (14%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 45.3387, 54.6604, 75.1787 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 45.3387, 54.6604, 75.1787 by changing the saturation by 10% instead.

■ 45.3387, 54.6604,
75.1787

■ 45.3387, 54.6604,
75.1787

358.9042,
404.6233, 497.8034

■ 31.9267, 39.1299,
55.2567

■ 82.4624, 97.0432,
128.3147

■ 21.4608, 26.8608,
39.2073

■ 106.9048,
124.6643, 162.3658

■ 13.5756, 17.4687,
26.6120

■ 135.7547,
157.0844, 201.9636

■ 7.9058, 10.5692,
17.0521

169.3774,
194.6878, 247.5268

■ 4.0860, 5.7780,
10.1093

208.1384,
237.8591, 299.4738

■ 1.7509, 2.7105,
5.3650

252.4030,

■ 0.4878, 0.9826,

286.9825, 358.2232

2.4005

302.5365,
342.4424, 424.1935

■ 0.0000, 0.0000,
0.7867

■ 0.0000, 0.0000,
0.0000

■ 45.3387, 54.6604,
75.1787

■ 45.3387, 54.6604,
75.1787

■ 41.2381, 51.3058,
74.7483

■ 50.1920, 58.4337,
75.6522

■ 37.8410, 48.3405,
74.3549

■ 55.8338, 62.6405,
76.1668

■ 35.1001, 45.7411,
73.9977

■ 62.3032, 67.3023,
76.7257

■ 32.9597, 43.4789,
73.6738

■ 69.6354, 72.4376,
77.3304

■ 31.3549, 41.5201,
73.3803

■ 77.8637, 78.0636,
77.9827

■ 30.2009, 39.8209,
73.1132

■ 81.5199, 81.3616,
78.4265

■ 29.8975, 39.3369,
73.0358

■ 82.4914, 83.3047,
78.7504

■ 83.4827, 85.2873,
79.0808

■ 84.4939, 87.3095,
79.4179

Harmonies

Analogous

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



43.8951, 54.6604, 62.1727



45.3387, 54.6604, 75.1787



48.5640, 54.6604, 84.8784

Triad

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



45.3387, 54.6604, 75.1787



60.1841, 54.6604, 70.0030



51.0442, 54.6604, 38.3094

Complementary

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



45.3387, 54.6604, 75.1787



44.8682, 39.0288, 29.2145

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.



55.4963, 54.6604, 39.7876



45.3387, 54.6604, 75.1787



60.9413, 54.6604, 56.9358

Square

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



45.3387, 54.6604, 75.1787



57.1675, 54.6604, 81.6041



59.1814, 54.6604, 46.1952



47.0658, 54.6604, 41.8232

Rectangle

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



45.3387, 54.6604, 75.1787



51.3770, 54.6604, 87.4920



59.1814, 54.6604, 46.1952



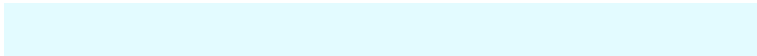
52.5334, 54.6604, 38.2467

Sweetspot

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



45.3404, 54.6625, 75.1800



84.0536, 92.2245, 107.9787



41.3310, 58.2742, 37.9885



17.7230, 19.5468, 23.0888



0.0000, 0.0000, 0.0000



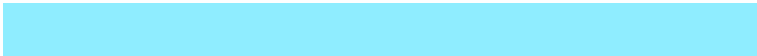
20.3446, 21.4041, 23.3091

Same Dimension

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



45.3404, 54.6625, 75.1800



59.6260, 73.6077, 105.6728



36.9685, 37.9189, 72.3894



13.2577, 14.4552, 16.7435



17.7951, 23.4596, 43.3287



1.2015, 1.6171, 2.8233

Inverse Universe

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



49.4438, 37.6946, 63.0648



66.3179, 46.9591, 85.6861



52.3565, 54.0053, 31.7106



13.5199, 13.2371, 15.9993



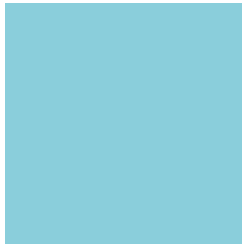
22.4775, 10.9920, 27.9581



1.4808, 0.7219, 1.9406

Previews

White Background



This preview shows how the XYZ color 45.3387, 54.6604, 75.1787 looks on a white background.

Color Contrast Check

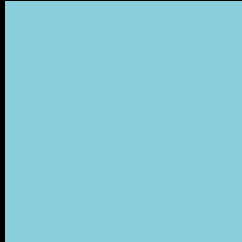
Large Text (above 18pt) WCAG AA × Fail

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 45.3387, 54.6604, 75.1787 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

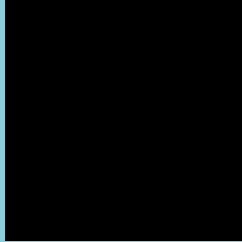
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 45.3387, 54.6604, 75.1787

Background



This preview shows how black text looks on a background with the XYZ color 45.3387, 54.6604, 75.1787.



This preview shows how white text looks on a background with the XYZ color 45.3387, 54.6604,

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

45.3387, 54.6604, 75.1787

Protanopia

52.8202, 54.1805, 69.3020

Deuteranopia

55.2018, 53.9485, 76.6109



Tritanopia

45.9036, 54.9055, 77.2857

Trichromacy



Original Color

45.3387, 54.6604, 75.1787

Protanomaly

49.5653, 54.1274, 71.4536

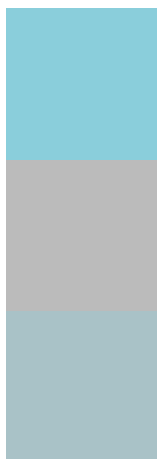
Deuteranomaly

50.6977, 53.5978, 76.0800

Tritanomaly

45.7699, 54.8520, 76.5818

Monochromacy



Original Color

45.3387, 54.6604, 75.1787

Achromatopsia

47.2335, 49.6933, 54.1160

Achromatomaly

45.9628, 51.1421, 61.4817

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.3387, 54.6604, 75.1787 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(138, 206, 219)` looks like.

```
.text, #text, p{  
    color:rgb(138, 206, 219)  
}
```

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(138, 206, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(138, 206, 219) }
```

Border

The CSS property to change the border of an element to XYZ 45.3387, 54.6604, 75.1787 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(138, 206, 219) }
```


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

```
.border{ border-color:rgb(138, 206, 219) }
```

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

Here you see how a box with a 4 pixel `rgb(138, 206, 219)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(138, 206, 219); -webkit-box-  
shadow:4px 4px 4px 4px rgb(138, 206, 219);  
box-shadow:4px 4px 4px 4px rgb(138, 206,  
219) }
```

Background

The CSS property to change the background color of an element to XYZ 45.3387, 54.6604, 75.1787 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(138, 206, 219) }
```

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

```
.background{ background-color: rgb(138,  
206, 219) }
```

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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