

Converting Colors

XYZ(38.4996, 46.3886, 62.9443)

Have a look what the booklet for
XYZ(38.4996, 46.3886, 62.9443)
contains.

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Color

**XYZ(38.3447, 46.1930,
62.7723)**

Conversions

Conversions Part 1

Format	Color
Hex	81BFCA
RGB	129, 191, 202
RGB Percent	51%, 75%, 79%
CMY	0.4941, 0.2510, 0.2078
CMYK	0.36, 0.05, 0.00, 0.21
HSL	189°, 41%, 65%
HSV	189°, 36%, 79%
XYZ	38.3447, 46.1930, 62.7723
YIQ	173.7160, -40.4830, -9.7230

Conversions

Conversions Part 2

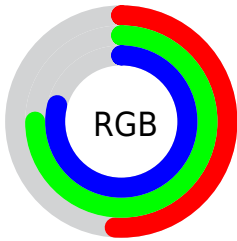
Format	Color
R _Y B	129, 163, 202
Decimal	8503242
CIE Lab	73.67, -17.06, -11.85
CIE LCh	74, 20.771, 214.790
Yxy	46.1930, 0.2603, 0.3136
Android (android.graphics.Color)	4286693322 (0xFF81BFCA)
YUV	173.7160, 13.9440, -39.2159
Hunter-Lab	67.9654, -18.2335, -7.1839

Details

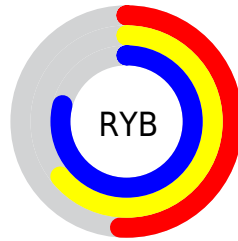
The XYZ color **38.3447, 46.1930, 62.7723** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **37.6983, 32.8982, 25.1330**, and the grayscale version is **40.0332, 42.1180, 45.8665**.

A 20% lighter version of the original color is **71.0779, 83.9319, 107.0620**, and **17.1926, 21.5253, 31.2656** is the 20% darker color. If you saturate the color by 10%, you get **34.9180, 43.4525, 62.4247**, and if you desaturate by 10%, it is **42.3945, 49.2774, 63.1550**.

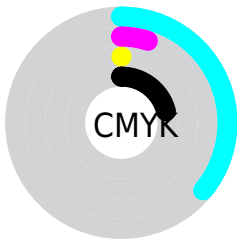
Distribution



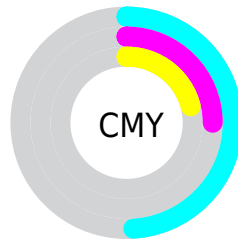
- Red (51%)
- Green (75%)
- Blue (79%)



- Red (51%)
- Yellow (64%)
- Blue (79%)



- Cyan (36%)
- Magenta (5%)
- Yellow (0%)
- Black (21%)



- Cyan (49%)
- Magenta (25%)
- Yellow (21%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 38.3447, 46.1930, 62.7723 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 38.3447, 46.1930, 62.7723 by changing the saturation by 10% instead.

■ 38.3447, 46.1930,
62.7723

■ 38.3447, 46.1930,
62.7723

330.3517,
371.5840, 452.8278

■ 26.4288, 32.3981,
45.2172

■ 71.9367, 84.5078,
110.4233

■ 17.2790, 21.6658,
31.2844

■ 94.3434, 109.7965,
141.3564

■ 10.5302, 13.6115,
20.5552

■ 120.9778,
139.6852, 177.5858

■ 5.8168, 7.8510,
12.6112

152.2051,
174.5585, 219.5302

■ 2.7736, 3.9997,
7.0338

188.3909,
214.8006, 267.6080

■ 1.0352, 1.6734,
3.4045

229.9003,

■ 0.0000, 0.4064,

260.7960, 322.2379

1.3047

277.0988,
312.9290, 383.8383

■ 0.0000, 0.0000,
0.0656

■ 0.0000, 0.0000,
0.0000

■ 38.3447, 46.1930,
62.7723

■ 38.3447, 46.1930,
62.7723

■ 34.9180, 43.4525,
62.4247

■ 42.3945, 49.2774,
63.1550

■ 32.0742, 41.0317,
62.1074

■ 47.0964, 52.7175,
63.5712

■ 29.7750, 38.9119,
61.8194

■ 52.4823, 56.5309,
64.0234

■ 27.9754, 37.0698,
61.5587

■ 58.5809, 60.7325,
64.5129

■ 26.6234, 35.4784,
61.3228

■ 65.4194, 65.3366,
65.0412

■ 25.6529, 34.1036,
61.1085

■ 73.0233, 70.3563,
65.6093

■ 25.3313, 33.6053,
61.0293

■ 75.5211, 72.7648,
65.9426

■ 76.2905, 74.3037,
66.1990

■ 77.0744, 75.8714,
66.4603

Harmonies

Analogous

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



37.2224, 46.1930, 52.0082



38.3447, 46.1930, 62.7723



40.9586, 46.1930, 70.9573

Triad

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



38.3447, 46.1930, 62.7723



50.6257, 46.1930, 59.4345



43.3166, 46.1930, 32.6789

Complementary

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



38.3447, 46.1930, 62.7723



37.6983, 32.8982, 25.1330

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.



46.9896, 46.1930, 34.0942



38.3447, 46.1930, 62.7723



51.3433, 46.1930, 48.6224

Square

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



38.3447, 46.1930, 62.7723



48.0689, 46.1930, 68.8492



49.9785, 46.1930, 39.5937



39.9889, 46.1930, 35.4173

Rectangle

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



38.3447, 46.1930, 62.7723



43.2654, 46.1930, 73.3062



49.9785, 46.1930, 39.5937



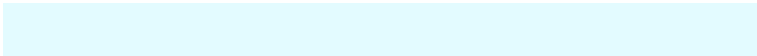
44.5510, 46.1930, 32.6886

Sweetspot

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



38.3461, 46.1948, 62.7734



84.1394, 92.3960, 108.0073



34.9047, 48.8011, 32.3725



17.7435, 19.5880, 23.0956



0.0000, 0.0000, 0.0000



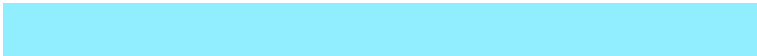
20.3446, 21.4041, 23.3091

Same Dimension

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



38.3461, 46.1948, 62.7734



60.5034, 74.7007, 105.8376



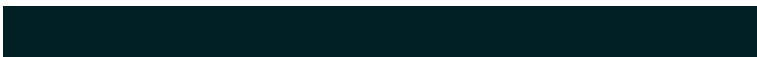
31.3615, 32.2256, 60.4452



11.3937, 12.4278, 14.3687



16.3523, 21.7285, 39.2884



0.8836, 1.2010, 2.0402

Inverse Universe

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



41.6125, 32.0198, 53.2795



66.9223, 47.8193, 86.9623



43.9342, 45.3700, 27.2116



11.6121, 11.3736, 13.7578



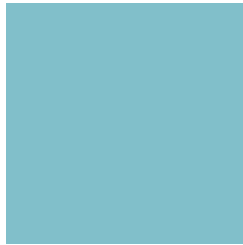
20.4648, 9.9965, 25.9638



1.0760, 0.5238, 1.4459

Previews

White Background



This preview shows how the XYZ color 38.3447, 46.1930, 62.7723 looks on a white background.

Color Contrast Check

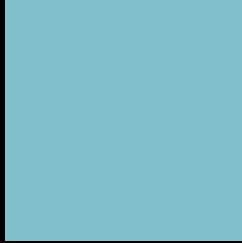
Large Text (above 18pt) WCAG AA × Fail

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 38.3447, 46.1930, 62.7723 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

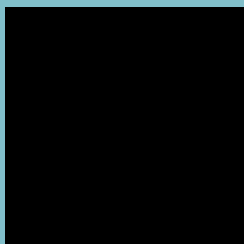
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

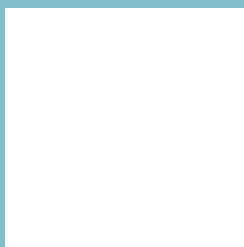
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 38.3447, 46.1930, 62.7723

Background



This preview shows how black text looks on a background with the XYZ color 38.3447, 46.1930, 62.7723.



This preview shows how white text looks on a background with the XYZ color 38.3447, 46.1930,

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

38.3447, 46.1930, 62.7723

Protanopia

44.5608, 45.7640, 58.1145

Deuteranopia

46.7945, 45.8975, 64.1504



Tritanopia

38.7600, 46.0290, 65.2341

Trichromacy



Original Color

38.3447, 46.1930, 62.7723

Protanomaly

41.8245, 45.5213, 60.0082

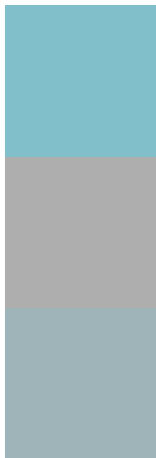
Deuteranomaly

42.9400, 45.4067, 63.6279

Tritanomaly

38.6388, 45.9805, 64.5963

Monochromacy



Original Color

38.3447, 46.1930, 62.7723

Achromatopsia

40.2316, 42.3268, 46.0938

Achromatomaly

39.0735, 43.3723, 51.6597

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.3447, 46.1930, 62.7723 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(129, 191, 202)` looks like.

```
.text, #text, p{  
    color:rgb(129, 191, 202)  
}
```

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(129, 191, 202) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 191, 202) }
```

Border

The CSS property to change the border of an element to XYZ 38.3447, 46.1930, 62.7723 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(129, 191, 202) }
```


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

```
.border{ border-color:rgb(129, 191, 202) }
```

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

Here you see how a box with a 4 pixel `rgb(129, 191, 202)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 191, 202); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 191, 202);  
box-shadow:4px 4px 4px 4px rgb(129, 191,  
202) }
```

Background

The CSS property to change the background color of an element to XYZ 38.3447, 46.1930, 62.7723 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 191, 202) }
```

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

```
.background{ background-color: rgb(129,  
191, 202) }
```

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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