

Converting Colors

XYZ(38.5982, 46.2627, 64.6438)

Have a look what the booklet for
XYZ(38.5982, 46.2627, 64.6438)
contains.

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Color

**XYZ(38.5523, 46.2586,
64.6545)**

Conversions

Conversions Part 1

Format	Color
Hex	80BFCD
RGB	128, 191, 205
RGB Percent	50%, 75%, 80%
CMY	0.4980, 0.2510, 0.1961
CMYK	0.38, 0.07, 0.00, 0.20
HSL	191°, 44%, 65%
HSV	191°, 38%, 80%
XYZ	38.5523, 46.2586, 64.6545
YIQ	173.7590, -42.0420, -9.0020

Conversions

Conversions Part 2

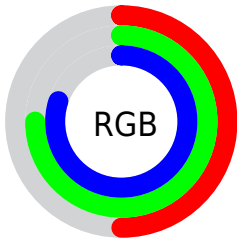
Format	Color
RYB	128, 163, 205
Decimal	8437709
CIELab	73.71, -16.58, -13.43
CIELCh	74, 21.331, 219.006
Yxy	46.2586, 0.2579, 0.3095
Android (android.graphics.Color)	4286627789 (0xFF80BFCD)
YUV	173.7590, 15.4018, -40.1306
Hunter-Lab	68.0137, -17.8445, -8.7521

Details

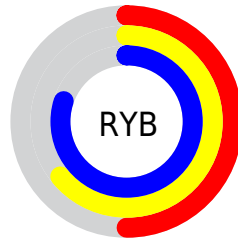
The XYZ color **38.5523, 46.2586, 64.6545** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **38.7468, 33.8841, 24.9212**, and the grayscale version is **40.0486, 42.1342, 45.8842**.

A 20% lighter version of the original color is **71.0779, 83.9319, 107.0620**, and **17.3556, 21.5815, 32.5291** is the 20% darker color. If you saturate the color by 10%, you get **34.9727, 43.2231, 64.2581**, and if you desaturate by 10%, it is **42.7783, 49.6602, 65.0891**.

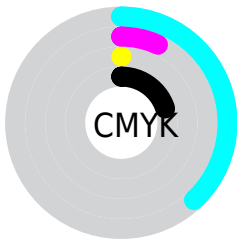
Distribution



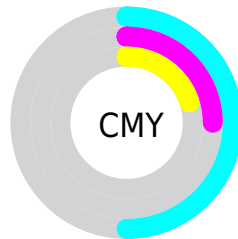
- Red (50%)
- Green (75%)
- Blue (80%)



- Red (50%)
- Yellow (64%)
- Blue (80%)



- Cyan (38%)
- Magenta (7%)
- Yellow (0%)
- Black (20%)



- Cyan (50%)
- Magenta (25%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 38.5523, 46.2586, 64.6545 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 38.5523, 46.2586, 64.6545 by changing the saturation by 10% instead.

■ 38.5523, 46.2586,
64.6545

■ 38.5523, 46.2586,
64.6545

331.2233,
371.8473, 459.8215

■ 26.5908, 32.4499,
46.7314

■ 72.2523, 84.6059,
113.1615

■ 17.4011, 21.7054,
32.4706

■ 94.7216, 109.9133,
144.5825

■ 10.6180, 13.6406,
21.4534

■ 121.4241,
139.8224, 181.3399

■ 5.8760, 7.8711,
13.2613

152.7252,
174.7176, 223.8522

■ 2.8097, 4.0126,
7.4759

188.9904,
214.9833, 272.5380

■ 1.0540, 1.6806,
3.6786

230.5849,

■ 0.0000, 0.4111,

261.0039, 327.8158

1.4507

277.8741,
313.1638, 390.1041

■ 0.0000, 0.0000,
0.1808

■ 0.0000, 0.0000,
0.0000

■ 38.5523, 46.2586,
64.6545

■ 38.5523, 46.2586,
64.6545

■ 34.9727, 43.2231,
64.2581

■ 42.7783, 49.6602,
65.0891

■ 31.9975, 40.5285,
63.8948

■ 47.6812, 53.4407,
65.5604

■ 29.5860, 38.1548,
63.5637

■ 53.2947, 57.6185,
66.0710

■ 27.6907, 36.0772,
63.2626

■ 59.6487, 62.2096,
66.6222

■ 26.2560, 34.2669,
62.9888

■ 66.7718, 67.2286,
67.2156

■ 25.2038, 32.6834,
62.7386

■ 74.6906, 72.6897,
67.8523

■ 24.9731, 32.3148,
62.6796

■ 77.0959, 75.3405,
68.2372

■ 78.0680, 77.2845,
68.5612

■ 79.0618, 79.2723,
68.8925

Harmonies

Analogous

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



37.1655, 46.2586, 53.7006



38.5523, 46.2586, 64.6545



41.4118, 46.2586, 72.4347

Triad

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



38.5523, 46.2586, 64.6545



51.1162, 46.2586, 58.2082



42.8382, 46.2586, 32.4627

Complementary

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



38.5523, 46.2586, 64.6545



38.7468, 33.8841, 24.9212

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.



46.6260, 46.2586, 33.3104



38.5523, 46.2586, 64.6545



51.5523, 46.2586, 47.1757

Square

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



38.5523, 46.2586, 64.6545



48.7078, 46.2586, 68.3576



49.8672, 46.2586, 38.3578



39.5450, 46.2586, 35.8484

Rectangle

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



38.5523, 46.2586, 64.6545



43.8413, 46.2586, 74.2073



49.8672, 46.2586, 38.3578



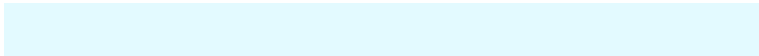
44.0937, 46.2586, 32.2738

Sweetspot

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



38.5537, 46.2604, 64.6556



83.8675, 91.8523, 107.9167



35.5297, 50.1709, 32.9467



17.6784, 19.4576, 23.0739



0.0000, 0.0000, 0.0000



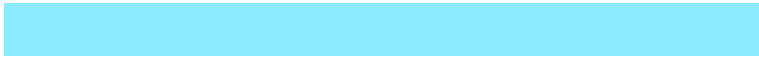
20.3446, 21.4041, 23.3091

Same Dimension

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



38.5537, 46.2604, 64.6556



58.3699, 71.7422, 105.3789



31.4232, 31.9994, 62.2787



11.3631, 12.3667, 14.3585



15.6104, 20.2449, 39.0412



0.8517, 1.1371, 2.0295

Inverse Universe

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



42.3011, 32.1802, 53.2741



65.5260, 46.0378, 83.3794



45.2610, 46.9126, 27.0926



11.5966, 11.3674, 13.6765



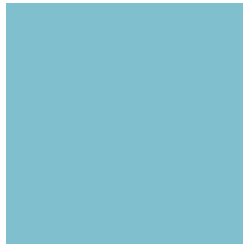
20.0903, 9.8467, 23.9921



1.0598, 0.5173, 1.3609

Previews

White Background



This preview shows how the XYZ color 38.5523, 46.2586, 64.6545 looks on a white background.

Color Contrast Check

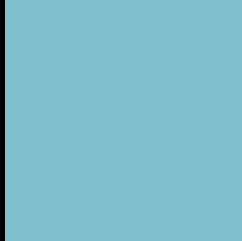
Large Text (above 18pt) WCAG AA × Fail

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 38.5523, 46.2586, 64.6545 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

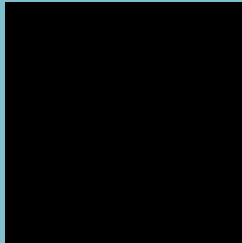
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 38.5523, 46.2586, 64.6545

Background



This preview shows how black text looks on a background with the XYZ color 38.5523, 46.2586, 64.6545.



This preview shows how white text looks on a background with the XYZ color 38.5523, 46.2586,

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

38.5523, 46.2586, 64.6545

Protanopia

44.7885, 45.8551, 59.3136

Deuteranopia

46.9181, 45.9190, 66.0649



Tritanopia

38.6735, 46.3070, 65.2924

Trichromacy



Original Color

38.5523, 46.2586, 64.6545

Protanomaly

41.8560, 45.5107, 61.2220

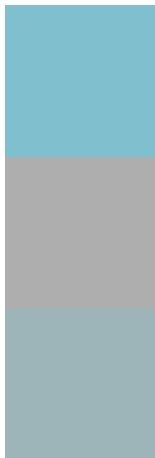
Deuteranomaly

43.0962, 45.4453, 65.5319

Tritanomaly

38.6735, 46.3070, 65.2924

Monochromacy



Original Color

38.5523, 46.2586, 64.6545

Achromatopsia

40.2316, 42.3268, 46.0938

Achromatomaly

38.9828, 43.3134, 52.2046

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.5523, 46.2586, 64.6545 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(128, 191, 205)` looks like.

```
.text, #text, p{  
    color:rgb(128, 191, 205)  
}
```

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(128, 191, 205) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 191, 205) }
```

Border

The CSS property to change the border of an element to XYZ 38.5523, 46.2586, 64.6545 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(128, 191, 205) }
```


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

```
.border{ border-color:rgb(128, 191, 205) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 191, 205)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 191, 205); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 191, 205);  
box-shadow:4px 4px 4px 4px rgb(128, 191,  
205) }
```

Background

The CSS property to change the background color of an element to XYZ 38.5523, 46.2586, 64.6545 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 191, 205) }
```

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

```
.background{ background-color: rgb(128,  
191, 205) }
```

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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