

Converting Colors

XYZ(38.6720, 46.2590, 52.7896)

Have a look what the booklet for
XYZ(38.6720, 46.2590, 52.7896)
contains.

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Color

**XYZ(38.6720, 46.2590,
52.7896)**

Conversions

Conversions Part 1

Format	Color
Hex	90BEB9
RGB	144, 190, 185
RGB Percent	56%, 75%, 73%
CMY	0.4353, 0.2549, 0.2745
CMYK	0.24, 0.00, 0.03, 0.25
HSL	173°, 26%, 65%
HSV	173°, 24%, 75%
XYZ	38.6720, 46.2590, 52.7896
YIQ	175.6760, -25.8110, -11.3070

Conversions

Conversions Part 2

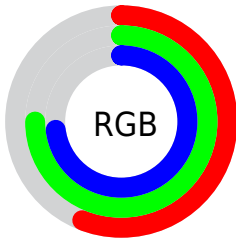
Format	Color
RYB	144, 168, 190
Decimal	9486009
CIELab	73.71, -16.19, -2.44
CIElCh	74, 16.377, 188.568
Yxy	46.2590, 0.2808, 0.3359
Android (android.graphics.Color)	4287676089 (0xFF90BEB9)
YUV	175.6760, 4.5967, -27.7799
Hunter-Lab	68.0140, -17.5313, 1.5914

Details

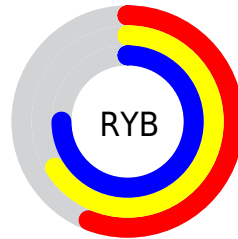
The XYZ color **38.6720, 46.2590, 52.7896** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **36.6349, 33.0648, 32.8869**, and the grayscale version is **41.0857, 43.2253, 47.0724**.

A 20% lighter version of the original color is **72.3861, 84.4045, 95.6956**, and **17.5242, 21.8326, 25.1203** is the 20% darker color. If you saturate the color by 10%, you get **35.4125, 44.6049, 51.5076**, and if you desaturate by 10%, it is **42.4959, 48.2061, 54.1166**.

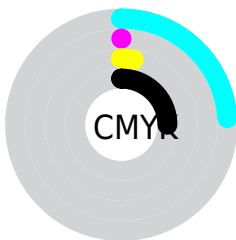
Distribution



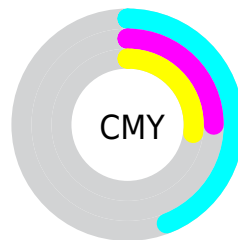
- Red (56%)
- Green (75%)
- Blue (73%)



- Red (56%)
- Yellow (66%)
- Blue (75%)



- Cyan (24%)
- Magenta (0%)
- Yellow (3%)
- Black (25%)



- Cyan (44%)
- Magenta (25%)
- Yellow (27%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 38.6720, 46.2590, 52.7896 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 38.6720, 46.2590, 52.7896 by changing the saturation by 10% instead.

■ 38.6720, 46.2590,
52.7896

■ 38.6720, 46.2590,
52.7896

331.7252,
371.8489, 414.5208

■ 26.6842, 32.4503,
37.2483

■ 72.4343, 84.6065,
95.7331

■ 17.4716, 21.7056,
25.1025

■ 94.9395, 109.9140,
123.9723

■ 10.6687, 13.6408,
15.9337

121.6812,
139.8232, 157.2813

■ 5.9101, 7.8712,
9.3234

153.0248,
174.7186, 196.0785

■ 2.8307, 4.0127,
4.8530

189.3357,
214.9844, 240.7825

■ 1.0649, 1.6807,
2.1041

230.9791,

■ 0.0000, 0.4111,

261.0052, 291.8119

0.6182

278.3205,
313.1652, 349.5851

■ 0.0000, 0.0000,
0.0000

■ 38.6720, 46.2590,
52.7896

■ 38.6720, 46.2590,
52.7896

■ 35.4125, 44.6049,
51.5076

■ 42.4959, 48.2061,
54.1166

■ 32.6853, 43.2236,
50.2659

■ 46.9062, 50.4539,
55.4866

■ 30.4616, 42.1016,
49.0642

■ 51.9285, 53.0169,
56.9020

■ 28.7078, 41.2214,
47.9009

■ 57.5859, 55.9069,
58.3639

■ 27.3864, 40.5638,
46.7741

■ 63.9002, 59.1352,
59.8733

■ 26.4543, 40.1064,
45.6817

■ 69.7781, 62.1381,
61.3792

■ 25.8590, 39.8224,
44.6212

■ 70.0172, 62.2337,
62.6382

■ 25.6079, 39.7060,
44.0190

■ 70.2595, 62.3307,
63.9143

■ 70.5051, 62.4289,
65.2077

Harmonies

Analogous

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



38.9701, 46.2590, 44.7457



38.6720, 46.2590, 52.7896



39.7431, 46.2590, 61.0153

Triad

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



38.6720, 46.2590, 52.7896



47.5433, 46.2590, 63.9410



46.0407, 46.2590, 36.8954

Complementary

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



38.6720, 46.2590, 52.7896



36.6349, 33.0648, 32.8869

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.



48.4817, 46.2590, 41.0378



38.6720, 46.2590, 52.7896



49.3755, 46.2590, 56.4430

Square

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



38.6720, 46.2590, 52.7896



44.8053, 46.2590, 67.9023



49.7262, 46.2590, 48.0220



43.1407, 46.2590, 36.1467

Rectangle

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



38.6720, 46.2590, 52.7896



41.1185, 46.2590, 65.2896



49.7262, 46.2590, 48.0220



46.9457, 46.2590, 37.9133

Sweetspot

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



38.6733, 46.2609, 52.7906



82.5653, 90.1858, 99.8165



35.9103, 45.2666, 33.2310



18.0209, 19.7481, 21.8853



92.9021, 97.7402, 106.4391



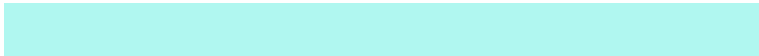
19.4759, 20.4902, 22.3138

Same Dimension

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



38.6733, 46.2609, 52.7906



66.8476, 82.1860, 94.4279



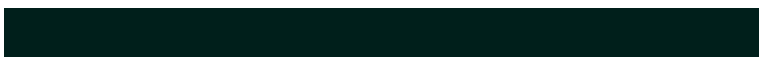
35.6196, 39.2933, 54.4244



9.7627, 10.7912, 11.9997



17.0448, 26.4082, 29.3621



0.6806, 1.0396, 1.2183

Inverse Universe

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



36.6349, 33.0648, 32.8869



62.5229, 54.1755, 52.1903



39.1267, 38.6739, 31.7890



9.5712, 9.5528, 10.1311



14.2229, 7.3203, 1.2016



0.5713, 0.2924, 0.1219

Previews

White Background



This preview shows how the XYZ color 38.6720, 46.2590, 52.7896 looks on a white background.

Color Contrast Check

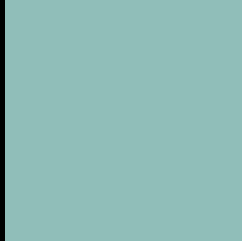
Large Text (above 18pt) WCAG AA × Fail

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 38.6720, 46.2590, 52.7896 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

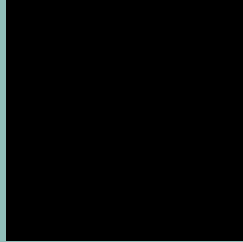
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 38.6720, 46.2590, 52.7896

Background



This preview shows how black text looks on a background with the XYZ color 38.6720, 46.2590, 52.7896.

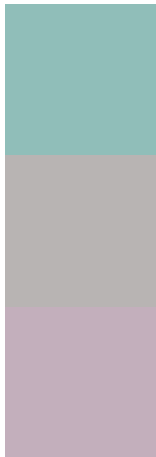


This preview shows how white text looks on a background with the XYZ color 38.6720, 46.2590,

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

38.6720, 46.2590, 52.7896

Protanopia

44.2251, 46.0875, 49.2127

Deuteranopia

46.9127, 45.8929, 53.9626



Tritanopia

40.6437, 46.1008, 62.6333

Trichromacy



Original Color

38.6720, 46.2590, 52.7896

Protanomaly

41.8432, 46.0522, 50.3997

Deuteranomaly

43.1954, 45.4605, 53.5118

Tritanomaly

39.9796, 46.1550, 59.0262

Monochromacy



Original Color

38.6720, 46.2590, 52.7896

Achromatopsia

41.2663, 43.4154, 47.2793

Achromatomaly

39.9704, 44.1949, 49.0716

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.6720, 46.2590, 52.7896 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(144, 190, 185)` looks like.

```
.text, #text, p{  
    color:rgb(144, 190, 185)  
}
```

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(144, 190, 185) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(144, 190, 185) }
```

Border

The CSS property to change the border of an element to XYZ 38.6720, 46.2590, 52.7896 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(144, 190, 185) }
```


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

```
.border{ border-color:rgb(144, 190, 185) }
```

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

Here you see how a box with a 4 pixel `rgb(144, 190, 185)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(144, 190, 185); -webkit-box-  
shadow:4px 4px 4px 4px rgb(144, 190, 185);  
box-shadow:4px 4px 4px 4px rgb(144, 190,  
185) }
```

Background

The CSS property to change the background color of an element to XYZ 38.6720, 46.2590, 52.7896 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(144, 190, 185) }
```

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

```
.background{ background-color: rgb(144,  
190, 185) }
```

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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