

Converting Colors

XYZ(38.2308, 46.7039, 62.3622)

Have a look what the booklet for
XYZ(38.2308, 46.7039, 62.3622)
contains.

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Color

**XYZ(38.2168, 46.7926,
62.2760)**

Conversions

Conversions Part 1

Format	Color
Hex	7EC1C9
RGB	126, 193, 201
RGB Percent	49%, 76%, 79%
CMY	0.5059, 0.2431, 0.2118
CMYK	0.37, 0.04, 0.00, 0.21
HSL	186°, 41%, 64%
HSV	186°, 37%, 79%
XYZ	38.2168, 46.7926, 62.2760
YIQ	173.8790, -42.5000, -11.7160

Conversions

Conversions Part 2

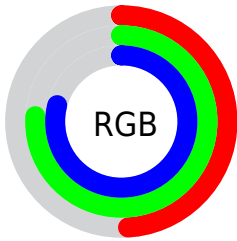
Format	Color
R _Y B	126, 161, 201
Decimal	8307145
CIE Lab	74.06, -19.13, -10.75
CIE LCh	74, 21.946, 209.317
Yxy	46.7926, 0.2595, 0.3177
Android (android.graphics.Color)	4286497225 (0xFF7EC1C9)
YUV	173.8790, 13.3707, -41.9899
Hunter-Lab	68.4051, -19.9840, -6.0940

Details

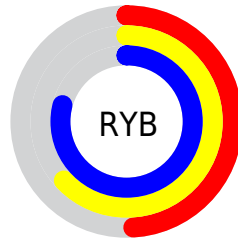
The XYZ color **38.2168, 46.7926, 62.2760** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **36.3792, 30.9748, 23.8012**, and the grayscale version is **40.1204, 42.2098, 45.9664**.

A 20% lighter version of the original color is **71.5270, 85.5363, 107.3480**, and **17.1716, 21.9495, 30.9354** is the 20% darker color. If you saturate the color by 10%, you get **35.0754, 44.4759, 61.9952**, and if you desaturate by 10%, it is **41.9633, 49.4337, 62.5891**.

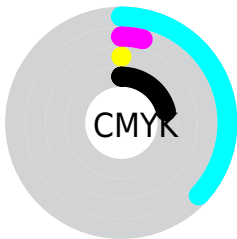
Distribution



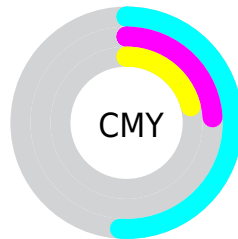
- Red (49%)
- Green (76%)
- Blue (79%)



- Red (49%)
- Yellow (63%)
- Blue (79%)



- Cyan (37%)
- Magenta (4%)
- Yellow (0%)
- Black (21%)



- Cyan (51%)
- Magenta (24%)
- Yellow (21%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 38.2168, 46.7926, 62.2760 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 38.2168, 46.7926, 62.2760 by changing the saturation by 10% instead.

■ 38.2168, 46.7926,
62.2760

■ 38.2168, 46.7926,
62.2760

329.8139,
373.9861, 450.9725

■ 26.3290, 32.8717,
44.8185

■ 71.7421, 85.4040,
109.6998

■ 17.2039, 22.0282,
30.9726

■ 94.1102, 110.8632,
140.5032

■ 10.4762, 13.8776,
20.3197

■ 120.7025,
140.9374, 176.5923

■ 5.7805, 8.0356,
12.4413

151.8844,
176.0109, 218.3857

■ 2.7514, 4.1177,
6.9188

188.0211,
216.4682, 266.3018

■ 1.0237, 1.7396,
3.3337

229.4780,

■ 0.0000, 0.4491,

262.6935, 320.7593

1.2674

276.6204,
315.0713, 382.1767

■ 0.0000, 0.0000,
0.0349

■ 0.0000, 0.0000,
0.0000

■ 38.2168, 46.7926,
62.2760

■ 38.2168, 46.7926,
62.2760

■ 35.0754, 44.4759,
61.9952

■ 41.9633, 49.4337,
62.5891

■ 32.4991, 42.4595,
61.7418

■ 46.3437, 52.4107,
62.9329

■ 30.4494, 40.7248,
61.5150

■ 51.3898, 55.7412,
63.3098

■ 28.8815, 39.2484,
61.3127

■ 57.1302, 59.4399,
63.7211

■ 27.7427, 38.0033,
61.1323

■ 63.5918, 63.5207,
64.1682

■ 26.9604, 36.9520,
60.9707

■ 70.7999, 67.9968,
64.6523

■ 26.7766, 36.6847,
60.9288

■ 74.3406, 70.5928,
64.9668

■ 74.8668, 71.6452,
65.1422

■ 75.4001, 72.7118,
65.3199

Harmonies

Analogous

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



37.3507, 46.7926, 50.6923



38.2168, 46.7926, 62.2760



40.7358, 46.7926, 71.8778

Triad

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



38.2168, 46.7926, 62.2760



51.2827, 46.7926, 62.7870



44.5649, 46.7926, 32.2567

Complementary

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



38.2168, 46.7926, 62.2760



36.3792, 30.9748, 23.8012

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.



48.4362, 46.7926, 34.5372



38.2168, 46.7926, 62.2760



52.4520, 46.7926, 51.2070

Square

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



38.2168, 46.7926, 62.2760



48.2716, 46.7926, 72.2020



51.3815, 46.7926, 41.0865



40.8828, 46.7926, 34.3389

Rectangle

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



38.2168, 46.7926, 62.2760



43.0913, 46.7926, 75.2628



51.3815, 46.7926, 41.0865



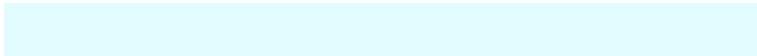
45.8879, 46.7926, 32.5324

Sweetspot

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



38.2182, 46.7944, 62.2771



84.5259, 93.1690, 108.1362



33.7602, 47.9172, 29.8427



17.8362, 19.7734, 23.1265



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.



38.2182, 46.7944, 62.2771



60.8870, 76.7765, 106.2180



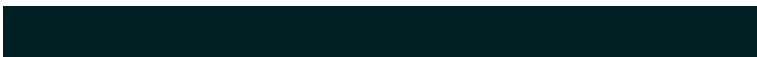
31.0364, 32.4308, 59.8832



10.8464, 11.8668, 13.6364



16.8763, 23.1464, 38.3226



0.8275, 1.1528, 1.8240

Inverse Universe

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



41.1751, 31.1907, 54.3043



66.7965, 46.5461, 90.0701



42.4172, 43.0508, 25.8139



11.0325, 10.7964, 13.1544



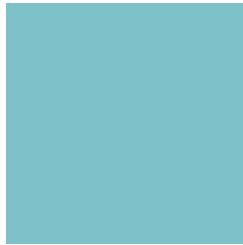
20.3177, 9.8766, 27.9465



0.9764, 0.4734, 1.3988

Previews

White Background



This preview shows how the XYZ color 38.2168, 46.7926, 62.2760 looks on a white background.

Color Contrast Check

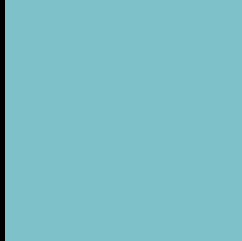
Large Text (above 18pt) WCAG AA × Fail

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 38.2168, 46.7926, 62.2760 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

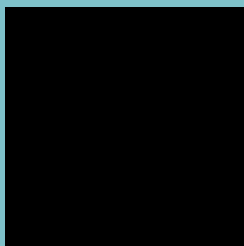
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

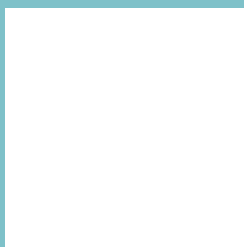
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 38.2168, 46.7926, 62.2760

Background



This preview shows how black text looks on a background with the XYZ color 38.2168, 46.7926, 62.2760.

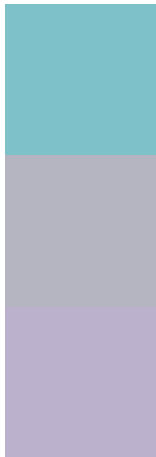


This preview shows how white text looks on a background with the XYZ color 38.2168, 46.7926,

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

38.2168, 46.7926, 62.2760

Protanopia

45.0030, 46.3165, 57.0202

Deuteranopia

47.3603, 46.4953, 63.6051



Tritanopia

39.0142, 46.7935, 66.0073

Trichromacy



Original Color

38.2168, 46.7926, 62.2760

Protanomaly

42.0107, 46.2605, 58.9395

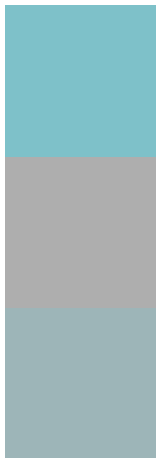
Deuteranomaly

43.2300, 46.1781, 63.1347

Tritanomaly

38.6215, 46.6191, 64.7204

Monochromacy



Original Color

38.2168, 46.7926, 62.2760

Achromatopsia

40.2316, 42.3268, 46.0938

Achromatomaly

39.0802, 43.6765, 51.7181

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.2168, 46.7926, 62.2760 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(126, 193, 201)` looks like.

```
.text, #text, p{  
    color:rgb(126, 193, 201)  
}
```

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(126, 193, 201) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(126, 193, 201) }
```

Border

The CSS property to change the border of an element to XYZ 38.2168, 46.7926, 62.2760 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(126, 193, 201) }
```


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

```
.border{ border-color:rgb(126, 193, 201) }
```

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

Here you see how a box with a 4 pixel rgb(126, 193, 201) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(126, 193, 201); -webkit-box-  
shadow:4px 4px 4px 4px rgb(126, 193, 201);  
box-shadow:4px 4px 4px 4px rgb(126, 193,  
201) }
```

Background

The CSS property to change the background color of an element to XYZ 38.2168, 46.7926, 62.2760 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(126, 193, 201) }
```

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

```
.background{ background-color: rgb(126,  
193, 201) }
```

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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