

Converting Colors

XYZ(31.4457, 38.8169, 52.3736)

Have a look what the booklet for
XYZ(31.4457, 38.8169, 52.3736)
contains.

XYZ(31.4654, 38.8307, 52.2910)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(31.4654, 38.8307,
52.2910)**

Conversions

Conversions Part 1

Format	Color
Hex	70B2BA
RGB	112, 178, 186
RGB Percent	44%, 70%, 73%
CMY	0.5608, 0.3019, 0.2706
CMYK	0.40, 0.04, 0.00, 0.27
HSL	186°, 35%, 58%
HSV	186°, 40%, 73%
XYZ	31.4654, 38.8307, 52.2910
YIQ	159.1780, -41.9040, -11.5040

Conversions

Conversions Part 2

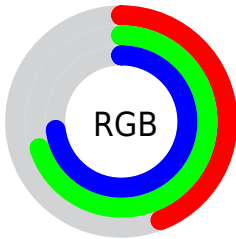
Format	Color
RYB	112, 147, 186
Decimal	7385786
CIELab	68.63, -18.89, -10.71
CIElCh	69, 21.715, 209.553
Yxy	38.8307, 0.2567, 0.3168
Android (android.graphics.Color)	4285575866 (0xFF70B2BA)
YUV	159.1780, 13.2232, -41.3751
Hunter-Lab	62.3143, -18.9170, -6.1332

Details

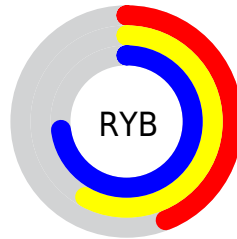
The XYZ color **31.4654, 38.8307, 52.2910** is a light color, and the websafe version is hex **669999**. A complement of this color would be **29.8914, 25.0424, 18.5884**, and the grayscale version is **32.9922, 34.7103, 37.7995**.

A 20% lighter version of the original color is **61.3862, 73.4719, 94.9505**, and **13.3122, 17.2602, 24.8202** is the 20% darker color. If you saturate the color by 10%, you get **28.9421, 36.9413, 52.0600**, and if you desaturate by 10%, it is **34.4858, 40.9869, 52.5487**.

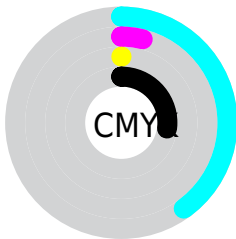
Distribution



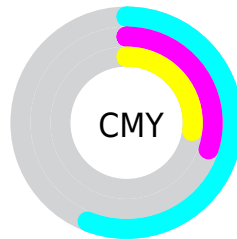
- Red (44%)
- Green (70%)
- Blue (73%)



- Red (44%)
- Yellow (58%)
- Blue (73%)



- Cyan (40%)
- Magenta (4%)
- Yellow (0%)
- Black (27%)



- Cyan (56%)
- Magenta (30%)
- Yellow (27%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.4654, 38.8307, 52.2910 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 31.4654, 38.8307, 52.2910 by changing the saturation by 10% instead.

■ 31.4654, 38.8307,
52.2910

■ 31.4654, 38.8307,
52.2910

300.4655,
341.1702, 412.5479

■ 21.1071, 26.6280,
36.8532

■ 61.3429, 73.3796,
94.9912

■ 13.3152, 17.2941,
24.7990

■ 81.5928, 96.4947,
123.0907

■ 7.7244, 10.4444,
15.7097

■ 105.8706,
124.0160, 156.2479

■ 3.9694, 5.6946,
9.1668

134.5417,
156.3279, 194.8813

■ 1.6849, 2.6603,
4.7519

167.9713,
193.8149, 239.4095

■ 0.4468, 0.9571,
2.0462

206.5249,

■ 0.0000, 0.0000,

236.8614, 290.2509

0.5835

250.5679,
285.8517, 347.8242

■ 0.0000, 0.0000,
0.0000

■ 31.4654, 38.8307,
52.2910

■ 31.4654, 38.8307,
52.2910

■ 28.9421, 36.9413,
52.0600

■ 34.4858, 40.9869,
52.5487

■ 26.8820, 35.2985,
51.8515

■ 38.0275, 43.4196,
52.8316

■ 25.2525, 33.8862,
51.6648

■ 42.1173, 46.1437,
53.1418

■ 24.0153, 32.6849,
51.4981

■ 46.7793, 49.1716,
53.4805

■ 23.1253, 31.6710,
51.3493

■ 52.0359, 52.5148,
53.8488

■ 22.4936, 30.7988,
51.2142

■ 57.9085, 56.1845,
54.2476

■ 22.4806, 30.7804,
51.2114

■ 64.4173, 60.1911,
54.6779

■ 69.4140, 63.4271,
55.0391

■ 69.8647, 64.3286,
55.1894

Harmonies

Analogous

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



30.7008, 38.8307, 42.1330



31.4654, 38.8307, 52.2910



33.6671, 38.8307, 60.7313

Triad

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



31.4654, 38.8307, 52.2910



42.8864, 38.8307, 52.5854



36.9589, 38.8307, 26.0733

Complementary

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



31.4654, 38.8307, 52.2910



29.8914, 25.0424, 18.5884

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.



40.3493, 38.8307, 28.0047



31.4654, 38.8307, 52.2910



43.8987, 38.8307, 42.4274

Square

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



31.4654, 38.8307, 52.2910



40.2549, 38.8307, 60.9190



42.9433, 38.8307, 33.6360



33.7509, 38.8307, 27.8930

Rectangle

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



31.4654, 38.8307, 52.2910



35.7251, 38.8307, 63.6939



42.9433, 38.8307, 33.6360



38.1155, 38.8307, 26.3003

Sweetspot

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



31.4666, 38.8322, 52.2919



74.4555, 82.3952, 96.1810



27.5957, 39.9049, 23.8279



16.1770, 17.9995, 21.1642



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438

Same Dimension

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



31.4666, 38.8322, 52.2919



52.8728, 67.2760, 94.4003



25.1595, 26.2181, 50.1895



9.1815, 10.0403, 11.5335



15.1574, 20.7744, 34.4641



0.5582, 0.7801, 1.2229

Inverse Universe

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



34.0807, 25.2428, 45.1972



58.3991, 39.5309, 79.1813



35.1308, 35.5212, 20.3349



9.3380, 9.1456, 11.1272



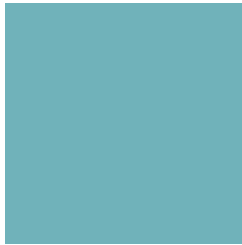
18.2644, 8.8795, 25.0770



0.6559, 0.3178, 0.9475

Previews

White Background



This preview shows how the XYZ color 31.4654, 38.8307, 52.2910 looks on a white background.

Color Contrast Check

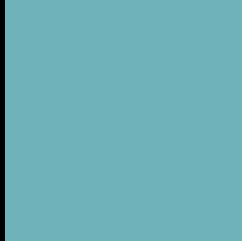
Large Text (above 18pt) WCAG AA × Fail

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 31.4654, 38.8307, 52.2910 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 31.4654, 38.8307, 52.2910

Background



This preview shows how black text looks on a background with the XYZ color 31.4654, 38.8307, 52.2910.



This preview shows how white text looks on a background with the XYZ color 31.4654, 38.8307,

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

31.4654, 38.8307, 52.2910

Protanopia

37.3980, 38.5938, 47.5977

Deuteranopia

39.1189, 38.2854, 53.4722



Tritanopia

31.9362, 38.7166, 55.0800

Trichromacy



Original Color

31.4654, 38.8307, 52.2910

Protanomaly

34.5693, 38.1966, 49.2668

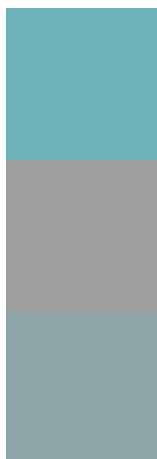
Deuteranomaly

35.6574, 38.1201, 53.0555

Tritanomaly

31.7175, 38.6291, 53.9286

Monochromacy



Original Color

31.4654, 38.8307, 52.2910

Achromatopsia

32.9542, 34.6704, 37.7561

Achromatomaly

31.9530, 35.8878, 42.7791

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.4654, 38.8307, 52.2910 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(112, 178, 186)` looks like.

```
.text, #text, p{  
    color:rgb(112, 178, 186)  
}
```

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(112, 178, 186) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 178, 186) }
```

Border

The CSS property to change the border of an element to XYZ 31.4654, 38.8307, 52.2910 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(112, 178, 186) }
```


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

```
.border{ border-color:rgb(112, 178, 186) }
```

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

Here you see how a box with a 4 pixel `rgb(112, 178, 186)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(112, 178, 186); -webkit-box-  
shadow:4px 4px 4px 4px rgb(112, 178, 186);  
box-shadow:4px 4px 4px 4px rgb(112, 178,  
186) }
```

Background

The CSS property to change the background color of an element to XYZ 31.4654, 38.8307, 52.2910 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(112, 178, 186) }
```

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

```
.background{ background-color: rgb(112,  
178, 186) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor