

Converting Colors

XYZ(31.5698, 38.4923, 52.8669)

Have a look what the booklet for
XYZ(31.5698, 38.4923, 52.8669)
contains.

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Color

**XYZ(31.6312, 38.6095,
52.7990)**

Conversions

Conversions Part 1

Format	Color
Hex	72B1BB
RGB	114, 177, 187
RGB Percent	45%, 69%, 73%
CMY	0.5529, 0.3059, 0.2667
CMYK	0.39, 0.05, 0.00, 0.27
HSL	188°, 35%, 59%
HSV	188°, 39%, 73%
XYZ	31.6312, 38.6095, 52.7990
YIQ	159.3030, -40.7580, -10.2460

Conversions

Conversions Part 2

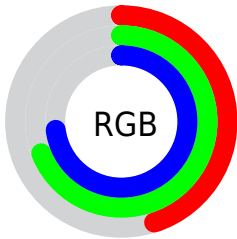
Format	Color
RYB	114, 148, 187
Decimal	7516603
CIELab	68.47, -17.59, -11.49
CIElCh	68, 21.012, 213.162
Yxy	38.6095, 0.2571, 0.3138
Android (android.graphics.Color)	4285706683 (0xFF72B1BB)
YUV	159.3030, 13.6546, -39.7307
Hunter-Lab	62.1365, -17.8718, -6.8846

Details

The XYZ color **31.6312, 38.6095, 52.7990** is a light color, and the websafe version is hex **669999**. A complement of this color would be **30.7391, 26.1956, 19.3567**, and the grayscale version is **33.0470, 34.7681, 37.8624**.

A 20% lighter version of the original color is **61.6788, 73.1839, 95.6691**, and **13.3742, 17.0972, 25.1494** is the 20% darker color. If you saturate the color by 10%, you get **28.9422, 36.4801, 52.5304**, and if you desaturate by 10%, it is **34.8293, 41.0172, 53.0958**.

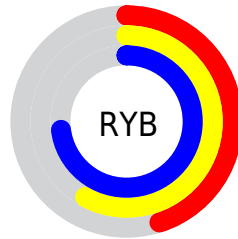
Distribution



Red (45%)

Green (69%)

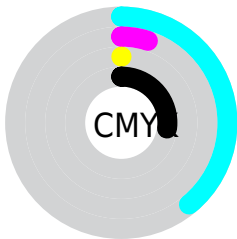
Blue (73%)



Red (45%)

Yellow (58%)

Blue (73%)

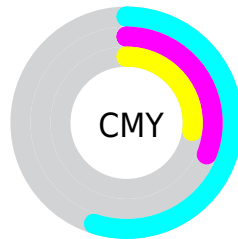


Cyan (39%)

Magenta (5%)

Yellow (0%)

Black (27%)



Cyan (55%)

Magenta (31%)

Yellow (27%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.6312, 38.6095, 52.7990 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 31.6312, 38.6095, 52.7990 by changing the saturation by 10% instead.

■ 31.6312, 38.6095,
52.7990

■ 31.6312, 38.6095,
52.7990

301.2110,
340.2274, 414.5579

■ 21.2341, 26.4561,
37.2557

■ 61.6016, 73.0414,
95.7471

■ 13.4087, 17.1651,
25.1082

■ 81.9056, 96.0886,
123.9890

■ 7.7895, 10.3523,
15.9379

■ 106.2427,
123.5360, 157.3008

■ 4.0112, 5.6332,
9.3264

134.9782,
155.7677, 196.1011

■ 1.7085, 2.6233,
4.8550

168.4774,
193.1684, 240.8084

■ 0.4616, 0.9384,
2.1052

207.1057,

■ 0.0000, 0.0000,

236.1223, 291.8413

0.6188

251.2284,
285.0138, 349.6183

■ 0.0000, 0.0000,
0.0000

■ 31.6312, 38.6095,
52.7990

■ 31.6312, 38.6095,
52.7990

■ 28.9422, 36.4801,
52.5304

■ 34.8293, 41.0172,
53.0958

■ 26.7282, 34.6088,
52.2859

■ 38.5610, 43.7133,
53.4196

■ 24.9565, 32.9794,
52.0647

■ 42.8533, 46.7126,
53.7722

■ 23.5886, 31.5720,
51.8652

■ 47.7304, 50.0277,
54.1551

■ 22.5793, 30.3633,
51.6851

■ 53.2151, 53.6704,
54.5691

■ 21.8485, 29.3119,
51.5207

■ 59.3290, 57.6520,
55.0154

■ 21.7826, 29.2136,
51.5052

■ 66.0924, 61.9829,
55.4949

■ 70.2882, 65.0048,
55.8570

■ 70.8767, 66.1818,
56.0532

Harmonies

Analogous

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



30.7118, 38.6095, 43.0509



31.6312, 38.6095, 52.7990



33.9028, 38.6095, 60.4555

Triad

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



31.6312, 38.6095, 52.7990



42.6634, 38.6095, 50.8010



36.3478, 38.6095, 26.3622

Complementary

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



31.6312, 38.6095, 52.7990



30.7391, 26.1956, 19.3567

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.



39.6410, 38.6095, 27.8034



31.6312, 38.6095, 52.7990



43.4137, 38.6095, 41.0434

Square

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



31.6312, 38.6095, 52.7990



40.2835, 38.6095, 59.1857



42.2771, 38.6095, 32.8505



33.3302, 38.6095, 28.5723

Rectangle

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



31.6312, 38.6095, 52.7990



35.9459, 38.6095, 62.8179



42.2771, 38.6095, 32.8505



37.4588, 38.6095, 26.4368

Sweetspot

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



31.6324, 38.6110, 52.7999



74.2102, 81.9044, 96.0992



28.3319, 40.5674, 25.3185



16.1173, 17.8800, 21.1443



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.



31.6324, 38.6110, 52.7999



52.4008, 65.7954, 94.1394



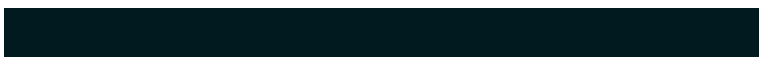
25.4005, 26.1473, 50.7226



9.6941, 10.5806, 12.2035



15.0472, 20.2062, 35.5000



0.6206, 0.8539, 1.4010

Inverse Universe

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



34.4476, 25.7748, 44.7560



58.2919, 39.9895, 77.0703



36.1429, 37.0032, 21.1580



9.8722, 9.6732, 11.7161



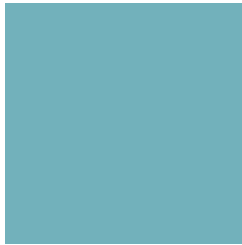
18.5959, 9.0695, 24.2294



0.7442, 0.3616, 1.0320

Previews

White Background



This preview shows how the XYZ color 31.6312, 38.6095, 52.7990 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 31.6312, 38.6095, 52.7990 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

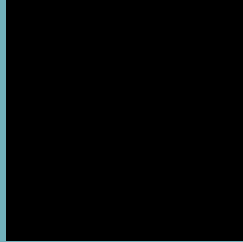
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 31.6312, 38.6095, 52.7990

Background



This preview shows how black text looks on a background with the XYZ color 31.6312, 38.6095, 52.7990.



This preview shows how white text looks on a background with the XYZ color 31.6312, 38.6095,

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

31.6312, 38.6095, 52.7990

Protanopia

37.2104, 38.2049, 48.5931

Deuteranopia

39.0092, 38.2163, 54.0357



Tritanopia

31.9995, 38.4571, 55.0266

Trichromacy



Original Color

31.6312, 38.6095, 52.7990

Protanomaly

34.5893, 37.9058, 50.2933

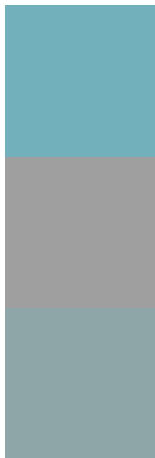
Deuteranomaly

35.5817, 37.7956, 53.5640

Tritanomaly

31.8898, 38.4132, 54.4489

Monochromacy



Original Color

31.6312, 38.6095, 52.7990

Achromatopsia

32.9542, 34.6704, 37.7561

Achromatomaly

32.1253, 35.9766, 42.7871

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.6312, 38.6095, 52.7990 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(114, 177, 187)` looks like.

```
.text, #text, p{  
    color:rgb(114, 177, 187)  
}
```

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(114, 177, 187) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(114, 177, 187) }
```

Border

The CSS property to change the border of an element to XYZ 31.6312, 38.6095, 52.7990 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(114, 177, 187) }
```


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

```
.border{ border-color:rgb(114, 177, 187) }
```

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

Here you see how a box with a 4 pixel `rgb(114, 177, 187)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(114, 177, 187); -webkit-box-  
shadow:4px 4px 4px 4px rgb(114, 177, 187);  
box-shadow:4px 4px 4px 4px rgb(114, 177,  
187) }
```

Background

The CSS property to change the background color of an element to XYZ 31.6312, 38.6095, 52.7990 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(114, 177, 187) }
```

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

```
.background{ background-color: rgb(114,  
177, 187) }
```

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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