

Converting Colors

XYZ(31.6680, 37.8121, 55.5201)

Have a look what the booklet for
XYZ(31.6680, 37.8121, 55.5201)
contains.

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Color

**XYZ(31.5899, 37.6553,
55.4724)**

Conversions

Conversions Part 1

Format	Color
Hex	72AEC0
RGB	114, 174, 192
RGB Percent	45%, 68%, 75%
CMY	0.5529, 0.3176, 0.2471
CMYK	0.41, 0.09, 0.00, 0.25
HSL	194°, 38%, 60%
HSV	194°, 41%, 75%
XYZ	31.5899, 37.6553, 55.4724
YIQ	158.1120, -41.5380, -7.1220

Conversions

Conversions Part 2

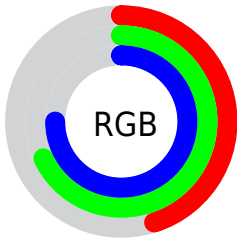
Format	Color
RYB	114, 148, 192
Decimal	7515840
CIELab	67.77, -14.72, -15.31
CIElCh	68, 21.237, 226.137
Yxy	37.6553, 0.2533, 0.3019
Android (android.graphics.Color)	4285705920 (0xFF72AEC0)
YUV	158.1120, 16.7068, -38.6862
Hunter-Lab	61.3639, -15.4958, -10.6429

Details

The XYZ color **31.5899, 37.6553, 55.4724** is a light color, and the websafe version is hex **669999**. A complement of this color would be **33.0274, 28.9245, 19.7628**, and the grayscale version is **32.4912, 34.1833, 37.2256**.

A 20% lighter version of the original color is **61.6023, 71.8060, 99.4201**, and **13.4832, 16.7438, 26.9473** is the 20% darker color. If you saturate the color by 10%, you get **28.5082, 34.8177, 55.0878**, and if you desaturate by 10%, it is **35.2264, 40.8225, 55.8927**.

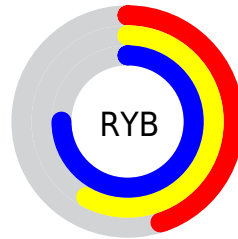
Distribution



Red (45%)

Green (68%)

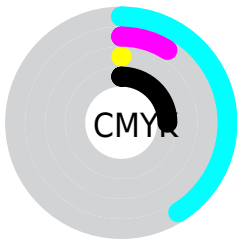
Blue (75%)



Red (45%)

Yellow (58%)

Blue (75%)

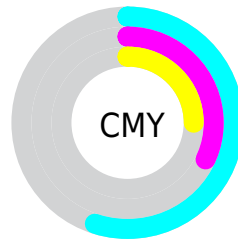


Cyan (41%)

Magenta (9%)

Yellow (0%)

Black (25%)



Cyan (55%)

Magenta (32%)

Yellow (25%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.5899, 37.6553, 55.4724 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 31.5899, 37.6553, 55.4724 by changing the saturation by 10% instead.

■ 31.5899, 37.6553,
55.4724

■ 31.5899, 37.6553,
55.4724

301.0254,
336.1390, 425.0325

■ 21.2025, 25.7153,
39.3789

■ 61.5372, 71.5795,
99.7108

■ 13.3854, 16.6108,
26.7445

■ 81.8277, 94.3324,
128.6929

■ 7.7733, 9.9574,
17.1507

■ 106.1500,
121.4585, 162.8082

■ 4.0008, 5.3707,
10.1789

134.8695,
153.3420, 202.4752

■ 1.7026, 2.4664,
5.4106

168.3514,
190.3675, 248.1127

■ 0.4579, 0.8597,
2.4272

206.9611,

■ 0.0000, 0.0000,

232.9192, 300.1390

0.8012

251.0640,
281.3815, 358.9727

■ 0.0000, 0.0000,
0.0000

■ 31.5899, 37.6553,
55.4724

■ 31.5899, 37.6553,
55.4724

■ 28.5082, 34.8177,
55.0878

■ 35.2264, 40.8225,
55.8927

■ 25.9444, 32.2877,
54.7346

■ 39.4445, 44.3311,
56.3476

■ 23.8626, 30.0474,
54.4119

■ 44.2738, 48.1974,
56.8394

■ 22.2206, 28.0744,
54.1176

■ 49.7403, 52.4353,
57.3693

■ 20.9681, 26.3426,
53.8493

■ 55.8689, 57.0579,
57.9385

■ 20.0570, 24.8907,
53.6171

■ 62.6829, 62.0778,
58.5483

■ 70.2045, 67.5065,
59.1997

■ 73.6647, 70.8862,
59.6697

■ 74.7700, 73.0967,
60.0381

Harmonies

Analogous

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



30.0599, 37.6553, 46.2354



31.5899, 37.6553, 55.4724



34.2982, 37.6553, 61.1868

Triad

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



31.5899, 37.6553, 55.4724



42.2786, 37.6553, 45.4885



34.0635, 37.6553, 25.9644

Complementary

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



31.5899, 37.6553, 55.4724



33.0274, 28.9245, 19.7628

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.



37.3249, 37.6553, 25.8277



31.5899, 37.6553, 55.4724



42.2062, 37.6553, 36.1759

Square

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



31.5899, 37.6553, 55.4724



40.5395, 37.6553, 54.8540



40.3473, 37.6553, 29.2932



31.4272, 37.6553, 29.7006

Rectangle

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



31.5899, 37.6553, 55.4724



36.4696, 37.6553, 61.7412



40.3473, 37.6553, 29.2932



35.1193, 37.6553, 25.5179

Sweetspot

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



31.5911, 37.6568, 55.4733



78.7729, 86.1872, 102.8443



29.8799, 42.9135, 28.1465



16.6438, 18.2873, 22.0379



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.



31.5911, 37.6568, 55.4733



52.0860, 63.4963, 99.8711



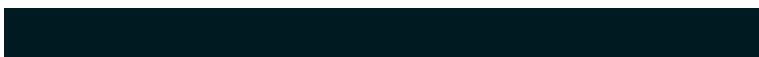
25.2730, 25.0207, 53.3673



10.1651, 11.0216, 12.8764



13.5573, 16.8711, 36.0985



0.6351, 0.8275, 1.5761

Inverse Universe

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



35.3965, 26.2981, 43.2564



60.1732, 40.8554, 73.5721



39.1323, 41.1342, 21.7978



10.3947, 10.2065, 12.1688



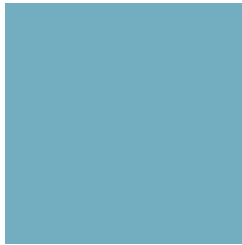
18.2391, 8.9854, 19.7029



0.8129, 0.3982, 0.9823

Previews

White Background



This preview shows how the XYZ color 31.5899, 37.6553, 55.4724 looks on a white background.

Color Contrast Check

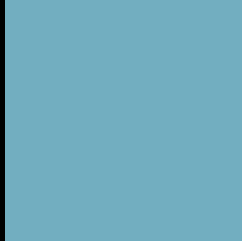
Large Text (above 18pt) WCAG AA × Fail

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 31.5899, 37.6553, 55.4724 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

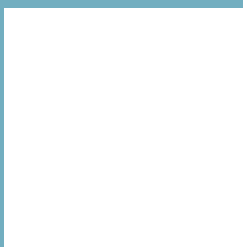
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 31.5899, 37.6553, 55.4724

Background



This preview shows how black text looks on a background with the XYZ color 31.5899, 37.6553, 55.4724.



This preview shows how white text looks on a background with the XYZ color 31.5899, 37.6553,

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

31.5899, 37.6553, 55.4724

Protanopia

36.5521, 37.2742, 51.1671

Deuteranopia

38.3211, 37.5369, 56.8554



Tritanopia

31.3253, 37.8448, 53.7979

Trichromacy



Original Color

31.5899, 37.6553, 55.4724

Protanomaly

34.3974, 37.1976, 52.9439

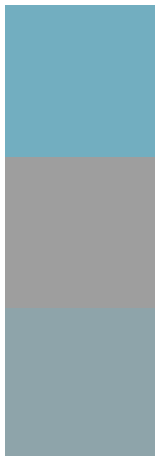
Deuteranomaly

35.4064, 37.3705, 56.3860

Tritanomaly

31.4343, 37.8884, 54.3716

Monochromacy



Original Color

31.5899, 37.6553, 55.4724

Achromatopsia

32.4990, 34.1914, 37.2345

Achromatomaly

31.6865, 35.2040, 43.1552

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.5899, 37.6553, 55.4724 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, 174, 192)` looks like.

```
.text, #text, p{  
    color:rgb(114, 174, 192)  
}
```

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, 174, 192) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(114, 174, 192) }
```

Border

The CSS property to change the border of an element to XYZ 31.5899, 37.6553, 55.4724 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, 174, 192) }
```


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

```
.border{ border-color:rgb(114, 174, 192) }
```

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

Here you see how a box with a 4 pixel `rgb(114, 174, 192)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(114, 174, 192); -webkit-box-  
shadow:4px 4px 4px 4px rgb(114, 174, 192);  
box-shadow:4px 4px 4px 4px rgb(114, 174,  
192) }
```

Background

The CSS property to change the background color of an element to XYZ 31.5899, 37.6553, 55.4724 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(114, 174, 192) }
```

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

```
.background{ background-color: rgb(114,  
174, 192) }
```

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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