

Converting Colors

XYZ(31.6265, 37.8844, 55.5485)

Have a look what the booklet for
XYZ(31.6265, 37.8844, 55.5485)
contains.

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Color

**XYZ(31.6545, 37.9764,
55.5310)**

Conversions

Conversions Part 1

Format	Color
Hex	71AFC0
RGB	113, 175, 192
RGB Percent	44%, 69%, 75%
CMY	0.5568, 0.3137, 0.2471
CMYK	0.41, 0.09, 0.00, 0.25
HSL	193°, 39%, 60%
HSV	193°, 41%, 75%
XYZ	31.6545, 37.9764, 55.5310
YIQ	158.4000, -42.4090, -7.8570

Conversions

Conversions Part 2

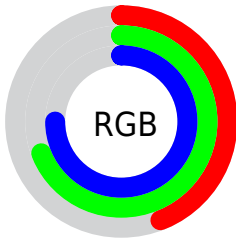
Format	Color
RYB	113, 148, 192
Decimal	7450560
CIELab	68.00, -15.50, -14.96
CIELCh	68, 21.544, 223.975
Yxy	37.9764, 0.2529, 0.3034
Android (android.graphics.Color)	4285640640 (0xFF71AFC0)
YUV	158.4000, 16.5648, -39.8158
Hunter-Lab	61.6250, -16.1548, -10.2894

Details

The XYZ color **31.6545, 37.9764, 55.5310** is a light color, and the websafe version is hex **669999**. A complement of this color would be **32.7023, 28.3649, 19.3754**, and the grayscale version is **32.6229, 34.3218, 37.3765**.

A 20% lighter version of the original color is **61.6676, 72.2540, 99.5031**, and **13.4234, 16.7130, 26.9445** is the 20% darker color. If you saturate the color by 10%, you get **28.6492, 35.2524, 55.1643**, and if you desaturate by 10%, it is **35.2093, 41.0219, 55.9321**.

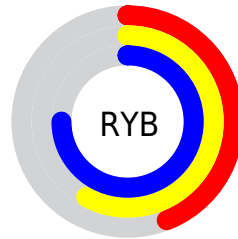
Distribution



Red (44%)

Green (69%)

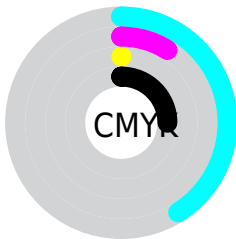
Blue (75%)



Red (44%)

Yellow (58%)

Blue (75%)

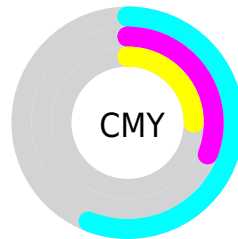


Cyan (41%)

Magenta (9%)

Yellow (0%)

Black (25%)



Cyan (56%)

Magenta (31%)

Yellow (25%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.6545, 37.9764, 55.5310 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 31.6545, 37.9764, 55.5310 by changing the saturation by 10% instead.

■ 31.6545, 37.9764,
55.5310

■ 31.6545, 37.9764,
55.5310

301.3157,
337.5187, 425.2602

■ 21.2520, 25.9644,
39.4256

■ 61.6379, 72.0720,
99.7975

■ 13.4218, 16.7970,
26.7806

■ 81.9496, 94.9243,
128.7955

■ 7.7987, 10.0899,
17.1775

■ 106.2949,
122.1588, 162.9283

■ 4.0171, 5.4586,
10.1978

135.0394,
154.1600, 202.6141

■ 1.7118, 2.5188,
5.4230

168.5484,
191.3122, 248.2717

■ 0.4636, 0.8860,
2.4345

207.1872,

■ 0.0000, 0.0000,

233.9998, 300.3196

0.8051

251.3212,
282.6071, 359.1762

■ 0.0000, 0.0000,
0.0000

■ 31.6545, 37.9764,
55.5310

■ 31.6545, 37.9764,
55.5310

■ 28.6492, 35.2524,
55.1643

■ 35.2093, 41.0219,
55.9321

■ 26.1565, 32.8280,
54.8277

■ 39.3406, 44.4006,
56.3666

■ 24.1401, 30.6851,
54.5204

■ 44.0778, 48.1288,
56.8365

■ 22.5577, 28.8014,
54.2402

■ 49.4472, 52.2204,
57.3432

■ 21.3586, 27.1506,
53.9847

■ 55.4737, 56.6884,
57.8880

■ 20.5309, 25.8385,
53.7751

■ 62.1805, 61.5453,
58.4720

■ 69.5898, 66.8027,
59.0963

■ 73.3236, 70.2040,
59.5560

■ 74.3445, 72.2456,
59.8963

Harmonies

Analogous

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



30.1972, 37.9764, 45.9681



31.6545, 37.9764, 55.5310



34.3459, 37.9764, 61.7415

Triad

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



31.6545, 37.9764, 55.5310



42.6490, 37.9764, 46.6556



34.5617, 37.9764, 25.9041

Complementary

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



31.6545, 37.9764, 55.5310



32.7023, 28.3649, 19.3754

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.



37.9034, 37.9764, 26.0293



31.6545, 37.9764, 55.5310



42.7157, 37.9764, 37.0517

Square

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



31.6545, 37.9764, 55.5310



40.7565, 37.9764, 56.1010



40.9334, 37.9764, 29.8153



31.8040, 37.9764, 29.4416

Rectangle

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



31.6545, 37.9764, 55.5310



36.5439, 37.9764, 62.6244



40.9334, 37.9764, 29.8153



35.6506, 37.9764, 25.5384

Sweetspot

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



31.6557, 37.9779, 55.5319



78.9128, 86.4670, 102.8909



29.6099, 42.7905, 27.3993



16.6770, 18.3536, 22.0489



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.



31.6557, 37.9779, 55.5319



52.5943, 64.5130, 100.0405



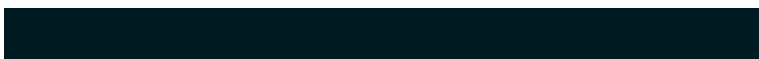
25.2287, 25.1239, 53.3896



10.1787, 11.0487, 12.8810



13.8735, 17.5036, 36.2039



0.6464, 0.8502, 1.5799

Inverse Universe

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



35.3823, 26.1130, 43.7344



60.4298, 40.9580, 74.9232



38.7779, 40.5159, 21.4005



10.4015, 10.2092, 12.2048



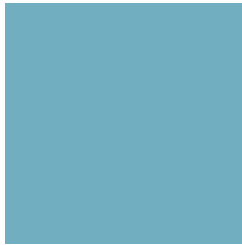
18.3987, 9.0492, 20.5434



0.8187, 0.4005, 1.0124

Previews

White Background



This preview shows how the XYZ color 31.6545, 37.9764, 55.5310 looks on a white background.

Color Contrast Check

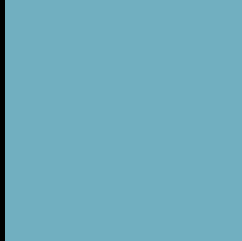
Large Text (above 18pt) WCAG AA × Fail

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 31.6545, 37.9764, 55.5310 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

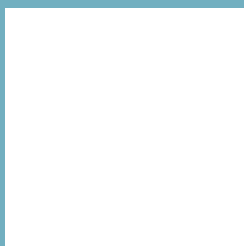
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 31.6545, 37.9764, 55.5310

Background



This preview shows how black text looks on a background with the XYZ color 31.6545, 37.9764, 55.5310.



This preview shows how white text looks on a background with the XYZ color 31.6545, 37.9764,

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

31.6545, 37.9764, 55.5310

Protanopia

36.9327, 37.7351, 51.2360

Deuteranopia

38.5315, 37.6454, 56.8652



Tritanopia

31.3063, 37.8224, 54.3656

Trichromacy



Original Color

31.6545, 37.9764, 55.5310

Protanomaly

34.5813, 37.5654, 53.0052

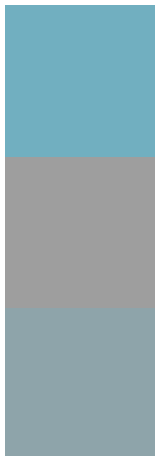
Deuteranomaly

35.4064, 37.3705, 56.3860

Tritanomaly

31.4160, 37.8663, 54.9433

Monochromacy



Original Color

31.6545, 37.9764, 55.5310

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 31.6545, 37.9764, 55.5310 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(113, 175, 192)` looks like.

```
.text, #text, p{  
    color:rgb(113, 175, 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(113, 175, 192) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(113, 175, 192) }
```

Border

The CSS property to change the border of an element to XYZ 31.6545, 37.9764, 55.5310 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(113, 175, 192) }
```


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

```
.border{ border-color:rgb(113, 175, 192) }
```

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

Here you see how a box with a 4 pixel `rgb(113, 175, 192)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(113, 175, 192); -webkit-box-  
shadow:4px 4px 4px 4px rgb(113, 175, 192);  
box-shadow:4px 4px 4px 4px rgb(113, 175,  
192) }
```

Background

The CSS property to change the background color of an element to XYZ 31.6545, 37.9764, 55.5310 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(113, 175, 192) }
```

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

```
.background{ background-color: rgb(113,  
175, 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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