

Converting Colors

XYZ(31.3022, 37.4987, 44.4277)

Have a look what the booklet for
XYZ(31.3022, 37.4987, 44.4277)
contains.

XYZ(31.2921, 37.4549, 44.6100)	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(31.2921, 37.4549,
44.6100)**

Conversions

Conversions Part 1

Format	Color
Hex	80ADAC
RGB	128, 173, 172
RGB Percent	50%, 68%, 67%
CMY	0.4980, 0.3216, 0.3255
CMYK	0.26, 0.00, 0.01, 0.32
HSL	179°, 22%, 59%
HSV	179°, 26%, 68%
XYZ	31.2921, 37.4549, 44.6100
YIQ	159.4310, -26.4990, -9.8510

Conversions

Conversions Part 2

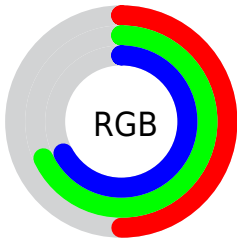
Format	Color
RYB	128, 151, 173
Decimal	8433068
CIELab	67.62, -15.17, -4.38
CIELCh	68, 15.785, 196.096
Yxy	37.4549, 0.2760, 0.3304
Android (android.graphics.Color)	4286623148 (0xFF80ADAC)
YUV	159.4310, 6.1965, -27.5650
Hunter-Lab	61.2004, -15.8327, -0.3772

Details

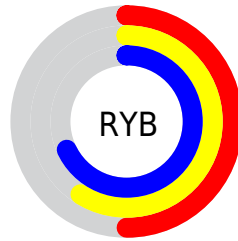
The XYZ color **31.2921, 37.4549, 44.6100** is a light color, and the websafe version is hex **669999**. A complement of this color would be **28.9166, 25.9087, 24.2473**, and the grayscale version is **33.1341, 34.8596, 37.9621**.

A 20% lighter version of the original color is **61.1758, 71.5298, 83.2554**, and **13.2881, 16.6086, 20.2747** is the 20% darker color. If you saturate the color by 10%, you get **28.8719, 36.2125, 44.3047**, and if you desaturate by 10%, it is **34.1583, 38.9291, 44.9384**.

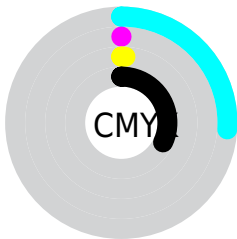
Distribution



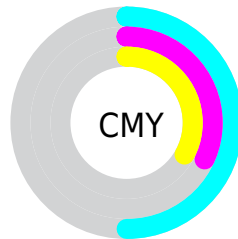
- Red (50%)
- Green (68%)
- Blue (67%)



- Red (50%)
- Yellow (59%)
- Blue (68%)



- Cyan (26%)
- Magenta (0%)
- Yellow (1%)
- Black (32%)



- Cyan (50%)
- Magenta (32%)
- Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.2921, 37.4549, 44.6100 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 31.2921, 37.4549, 44.6100 by changing the saturation by 10% instead.

■ 31.2921, 37.4549,
44.6100

■ 31.2921, 37.4549,
44.6100

299.6847,
335.2758, 381.3057

■ 20.9743, 25.5599,
30.8096

■ 61.0724, 71.2719,
83.4471

■ 13.2176, 16.4947,
20.1967

■ 81.2656, 93.9626,
109.3209

■ 7.6566, 9.8749,
12.3526

■ 105.4813,
121.0208, 140.0563

■ 3.9259, 5.3161,
6.8588

134.0848,
152.8307, 176.0718

■ 1.6603, 2.4339,
3.2969

167.4416,
189.7767, 217.7860

■ 0.4312, 0.8432,
1.2481

205.9169,

■ 0.0000, 0.0000,

232.2433, 265.6173

0.0187

249.8761,
280.6149, 319.9844

■ 0.0000, 0.0000,
0.0000

■ 31.2921, 37.4549,
44.6100

■ 31.2921, 37.4549,
44.6100

■ 28.8719, 36.2125,
44.3047

■ 34.1583, 38.9291,
44.9384

■ 26.8719, 35.1857,
44.0187

■ 37.4881, 40.6414,
45.2882

■ 25.2687, 34.3635,
43.7519

■ 41.3022, 42.6034,
45.6613

■ 24.0354, 33.7319,
43.5030

■ 45.6190, 44.8244,
46.0584

■ 23.1416, 33.2753,
43.2705

■ 50.4561, 47.3137,
46.4805

■ 22.5521, 32.9756,
43.0529

■ 55.8300, 50.0797,
46.9282

■ 22.2207, 32.8090,
42.8478

■ 61.7567, 53.1307,
47.4024

■ 22.1198, 32.7587,
42.7677

■ 63.9303, 54.2468,
47.7015

■ 63.9682, 54.2620,
47.9012

Harmonies

Analogous

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



31.2496, 37.4549, 37.6471



31.2921, 37.4549, 44.6100



32.4537, 37.4549, 51.2154

Triad

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



31.2921, 37.4549, 44.6100



39.0774, 37.4549, 50.7946



36.7356, 37.4549, 29.1116

Complementary

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



31.2921, 37.4549, 44.6100



28.9166, 25.9087, 24.2473

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.



38.9429, 37.4549, 31.8715



31.2921, 37.4549, 44.6100



40.3360, 37.4549, 44.0864

Square

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



31.2921, 37.4549, 44.6100



36.9124, 37.4549, 55.0543



40.2856, 37.4549, 37.1795



34.3186, 37.4549, 29.2177

Rectangle

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



31.2921, 37.4549, 44.6100



33.7379, 37.4549, 54.2959



40.2856, 37.4549, 37.1795



37.5289, 37.4549, 29.7201

Sweetspot

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



31.2932, 37.4564, 44.6109



65.7960, 72.0944, 80.9690



27.9704, 36.1536, 25.9271



14.1027, 15.5668, 17.5761



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123

Same Dimension

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



31.2932, 37.4564, 44.6109



53.5486, 65.7986, 79.5848



27.6743, 30.0641, 43.8812



8.2285, 9.0690, 10.2284



16.2526, 24.0663, 31.4335



0.4545, 0.6704, 0.8869

Inverse Universe

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



28.9166, 25.9087, 24.2473



48.5921, 41.7128, 37.1140



31.8787, 31.9390, 24.9076



8.0122, 8.0181, 8.3751



12.6790, 6.5341, 0.6892



0.3550, 0.1827, 0.0312

Previews

White Background



This preview shows how the XYZ color 31.2921, 37.4549, 44.6100 looks on a white background.

Color Contrast Check

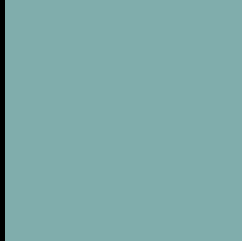
Large Text (above 18pt) WCAG AA × Fail

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 31.2921, 37.4549, 44.6100 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

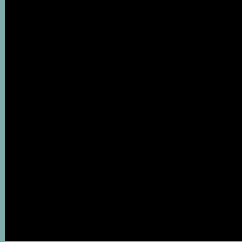
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 31.2921, 37.4549, 44.6100

Background



This preview shows how black text looks on a background with the XYZ color 31.2921, 37.4549, 44.6100.

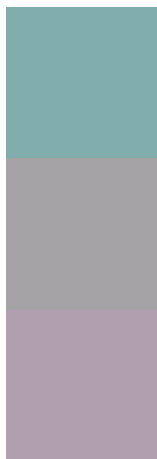


This preview shows how white text looks on a background with the XYZ color 31.2921, 37.4549,

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

31.2921, 37.4549, 44.6100

Protanopia

35.7060, 37.0546, 41.3467

Deuteranopia

37.8152, 37.0054, 45.7071



Tritanopia

32.6799, 37.4539, 51.4058

Trichromacy



Original Color

31.2921, 37.4549, 44.6100

Protanomaly

33.8355, 37.1400, 42.4312

Deuteranomaly

35.0160, 36.8760, 45.3166

Tritanomaly

32.1967, 37.5462, 48.7302

Monochromacy



Original Color

31.2921, 37.4549, 44.6100

Achromatopsia

32.9542, 34.6704, 37.7561

Achromatomaly

32.1890, 35.5272, 40.2828

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.2921, 37.4549, 44.6100 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(128, 173, 172)` looks like.

```
.text, #text, p{  
    color:rgb(128, 173, 172)  
}
```

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(128, 173, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 173, 172) }
```

Border

The CSS property to change the border of an element to XYZ 31.2921, 37.4549, 44.6100 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(128, 173, 172) }
```


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

```
.border{ border-color:rgb(128, 173, 172) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 173, 172)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 173, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 173, 172);  
box-shadow:4px 4px 4px 4px rgb(128, 173,  
172) }
```

Background

The CSS property to change the background color of an element to XYZ 31.2921, 37.4549, 44.6100 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 173, 172) }
```

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

```
.background{ background-color: rgb(128,  
173, 172) }
```

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