

Converting Colors

XYZ(30.5886, 37.3085, 47.6319)

Have a look what the booklet for
XYZ(30.5886, 37.3085, 47.6319)
contains.

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Color

**XYZ(30.6431, 37.3380,
47.7114)**

Conversions

Conversions Part 1

Format	Color
Hex	76AEB2
RGB	118, 174, 178
RGB Percent	46%, 68%, 70%
CMY	0.5372, 0.3176, 0.3020
CMYK	0.34, 0.02, 0.00, 0.30
HSL	184°, 28%, 58%
HSV	184°, 34%, 70%
XYZ	30.6431, 37.3380, 47.7114
YIQ	157.7120, -34.6600, -10.6280

Conversions

Conversions Part 2

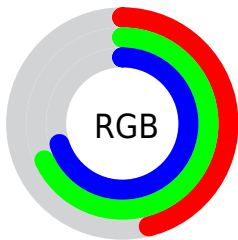
Format	Color
R _Y B	118, 147, 178
Decimal	7777970
CIE Lab	67.53, -17.19, -7.89
CIE LCh	68, 18.919, 204.655
Yxy	37.3380, 0.2649, 0.3227
Android (android.graphics.Color)	4285968050 (0xFF76AEB2)
YUV	157.7120, 10.0020, -34.8274
Hunter-Lab	61.1048, -17.4185, -3.5210

Details

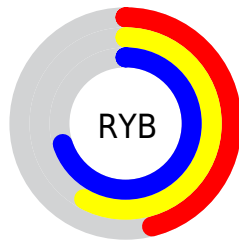
The XYZ color **30.6431, 37.3380, 47.7114** is a light color, and the websafe version is hex **669999**. A complement of this color would be **28.5901, 24.6923, 20.3995**, and the grayscale version is **32.3372, 34.0213, 37.0492**.

A 20% lighter version of the original color is **60.1614, 71.3048, 88.4343**, and **12.7858, 16.3137, 21.8770** is the 20% darker color. If you saturate the color by 10%, you get **28.2225, 35.7523, 47.5336**, and if you desaturate by 10%, it is **33.5241, 39.1658, 47.9130**.

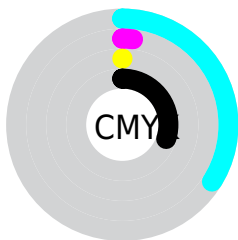
Distribution



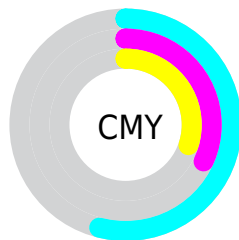
- Red (46%)
- Green (68%)
- Blue (70%)



- Red (46%)
- Yellow (58%)
- Blue (70%)



- Cyan (34%)
- Magenta (2%)
- Yellow (0%)
- Black (30%)



- Cyan (54%)
- Magenta (32%)
- Yellow (30%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 30.6431, 37.3380, 47.7114 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 30.6431, 37.3380, 47.7114 by changing the saturation by 10% instead.

■ 30.6431, 37.3380,
47.7114

■ 30.6431, 37.3380,
47.7114

296.7470,
334.7716, 394.1227

■ 20.4777, 25.4693,
33.2400

■ 60.0574, 71.0923,
88.1356

■ 12.8531, 16.4270,
22.0378

■ 80.0370, 93.7467,
114.9256

■ 7.4037, 9.8268,
13.6861

■ 104.0188,
120.7652, 146.6588

■ 3.7644, 5.2843,
7.7664

132.3681,
152.5320, 183.7538

■ 1.5697, 2.4150,
3.8602

165.4501,
189.4317, 226.6291

■ 0.3726, 0.8336,
1.5490

203.6304,

■ 0.0000, 0.0000,

231.8486, 275.7034

0.2540

247.2743,
280.1671, 331.3951

■ 0.0000, 0.0000,
0.0000

■ 30.6431, 37.3380,
47.7114

■ 30.6431, 37.3380,
47.7114

■ 28.2225, 35.7523,
47.5336

■ 33.5241, 39.1658,
47.9130

■ 26.2332, 34.3911,
47.3757

■ 36.8859, 41.2436,
48.1369

■ 24.6480, 33.2413,
47.2373

■ 40.7517, 43.5842,
48.3849

■ 23.4354, 32.2864,
47.1169

■ 45.1422, 46.1983,
48.6581

■ 22.5588, 31.5078,
47.0128

■ 50.0768, 49.0960,
48.9573

■ 21.9747, 30.8829,
46.9229

■ 55.5742, 52.2868,
49.2834

■ 21.6978, 30.5379,
46.8710

■ 61.6520, 55.7799,
49.6373

■ 66.3112, 58.5447,
49.9254

■ 66.5577, 59.0378,
50.0076

Harmonies

Analogous

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



30.2048, 37.3380, 39.1804



30.6431, 37.3380, 47.7114



32.3496, 37.3380, 55.1743

Triad

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



30.6431, 37.3380, 47.7114



40.2504, 37.3380, 50.6459



36.0124, 37.3380, 26.6977

Complementary

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



30.6431, 37.3380, 47.7114



28.5901, 24.6923, 20.3995

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.



38.8245, 37.3380, 28.9361



30.6431, 37.3380, 47.7114



41.3553, 37.3380, 42.1656

Square

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



30.6431, 37.3380, 47.7114



37.8739, 37.3380, 57.0241



40.8198, 37.3380, 34.3306



33.2057, 37.3380, 27.7625

Rectangle

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



30.6431, 37.3380, 47.7114



34.0286, 37.3380, 58.1459



40.8198, 37.3380, 34.3306



36.9898, 37.3380, 27.0784

Sweetspot

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



30.6442, 37.3395, 47.7123



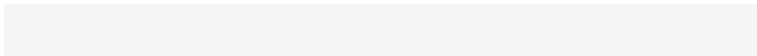
69.2605, 76.2362, 87.4458



26.8435, 37.0735, 23.8310



15.1350, 16.7627, 19.3601



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

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



30.6442, 37.3395, 47.7123



52.4182, 65.6572, 86.2915



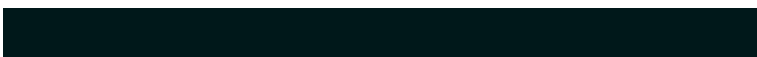
25.6332, 27.3175, 46.0419



8.6932, 9.5327, 10.8881



15.5430, 21.8863, 33.5423



0.5035, 0.7175, 1.0602

Inverse Universe

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



32.4794, 25.4786, 43.2521



56.2699, 41.1797, 76.8372



32.6974, 32.9069, 21.7686



8.8251, 8.6368, 10.5774



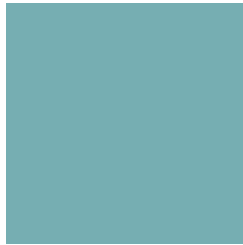
18.0800, 8.7496, 26.6451



0.5761, 0.2782, 0.8767

Previews

White Background



This preview shows how the XYZ color 30.6431, 37.3380, 47.7114 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 30.6431, 37.3380, 47.7114 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

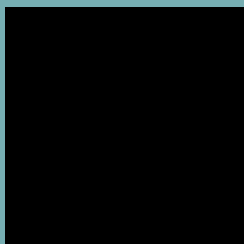
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

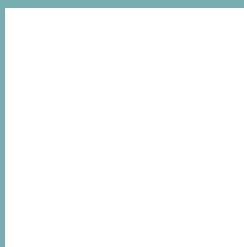
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 30.6431, 37.3380, 47.7114

Background



This preview shows how black text looks on a background with the XYZ color 30.6431, 37.3380, 47.7114.

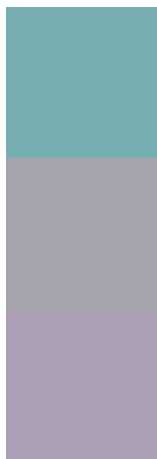


This preview shows how white text looks on a background with the XYZ color 30.6431, 37.3380,

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

30.6431, 37.3380, 47.7114

Protanopia

35.9649, 37.1340, 43.8001

Deuteranopia

37.7519, 36.9031, 48.8493



Tritanopia

31.6589, 37.4681, 52.5772

Trichromacy



Original Color

30.6431, 37.3380, 47.7114

Protanomaly

33.6714, 36.9893, 45.4094

Deuteranomaly

34.4626, 36.5216, 48.4130

Tritanomaly

31.2030, 37.2698, 50.8966

Monochromacy



Original Color

30.6431, 37.3380, 47.7114

Achromatopsia

32.4990, 34.1914, 37.2345

Achromatomaly

31.3947, 35.1072, 40.7190

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.6431, 37.3380, 47.7114 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(118, 174, 178)` looks like.

```
.text, #text, p{  
    color:rgb(118, 174, 178)  
}
```

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(118, 174, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 174, 178) }
```

Border

The CSS property to change the border of an element to XYZ 30.6431, 37.3380, 47.7114 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(118, 174, 178) }
```


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

```
.border{ border-color:rgb(118, 174, 178) }
```

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

Here you see how a box with a 4 pixel `rgb(118, 174, 178)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(118, 174, 178); -webkit-box-  
shadow:4px 4px 4px 4px rgb(118, 174, 178);  
box-shadow:4px 4px 4px 4px rgb(118, 174,  
178) }
```

Background

The CSS property to change the background color of an element to XYZ 30.6431, 37.3380, 47.7114 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(118, 174, 178) }
```

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

```
.background{ background-color: rgb(118,  
174, 178) }
```

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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