

Converting Colors

XYZ(30.7053, 37.4815, 45.6461)

Have a look what the booklet for
XYZ(30.7053, 37.4815, 45.6461)
contains.

XYZ(30.6612, 37.3930, 45.6460)	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(30.6612, 37.3930,
45.6460)**

Conversions

Conversions Part 1

Format	Color
Hex	79AEAE
RGB	121, 174, 174
RGB Percent	47%, 68%, 68%
CMY	0.5255, 0.3176, 0.3176
CMYK	0.30, 0.00, 0.00, 0.32
HSL	180°, 25%, 58%
HSV	180°, 30%, 68%
XYZ	30.6612, 37.3930, 45.6460
YIQ	158.1530, -31.5880, -11.2360

Conversions

Conversions Part 2

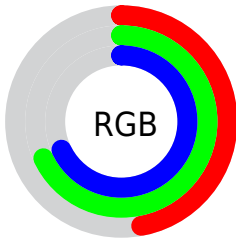
Format	Color
R _Y B	121, 148, 174
Decimal	7974574
CIE Lab	67.57, -17.30, -5.60
CIE LCh	68, 18.186, 197.924
Yxy	37.3930, 0.2697, 0.3289
Android (android.graphics.Color)	4286164654 (0xFF79AEAE)
YUV	158.1530, 7.8126, -32.5832
Hunter-Lab	61.1498, -17.5103, -1.4528

Details

The XYZ color **30.6612, 37.3930, 45.6460** is a light color, and the websafe version is hex **669999**. A complement of this color would be **27.7454, 24.0550, 21.2713**, and the grayscale version is **32.5456, 34.2405, 37.2879**.

A 20% lighter version of the original color is **60.1189, 71.3647, 84.7349**, and **12.8045, 16.3451, 20.8924** is the 20% darker color. If you saturate the color by 10%, you get **28.4396, 36.2487, 45.5425**, and if you desaturate by 10%, it is **33.3249, 38.7671, 45.7718**.

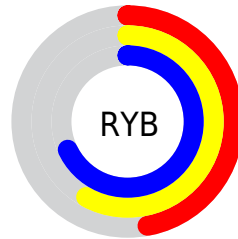
Distribution



Red (47%)

Green (68%)

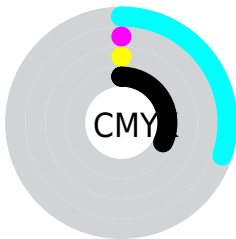
Blue (68%)



Red (47%)

Yellow (58%)

Blue (68%)

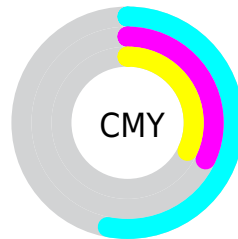


Cyan (30%)

Magenta (0%)

Yellow (0%)

Black (32%)



Cyan (53%)

Magenta (32%)

Yellow (32%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 30.6612, 37.3930, 45.6460 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 30.6612, 37.3930, 45.6460 by changing the saturation by 10% instead.

■ 30.6612, 37.3930,
45.6460

■ 30.6612, 37.3930,
45.6460

296.8293,
335.0089, 385.6198

■ 20.4916, 25.5119,
31.6199

■ 60.0857, 71.1768,
85.0177

■ 12.8632, 16.4589,
20.8089

■ 80.0714, 93.8483,
111.2003

■ 7.4108, 9.8494,
12.7945

■ 104.0597,
120.8854, 142.2722

■ 3.7689, 5.2992,
7.1582

132.4161,
152.6726, 178.6519

■ 1.5722, 2.4239,
3.4813

165.5058,
189.5941, 220.7580

■ 0.3742, 0.8381,
1.3453

203.6944,

■ 0.0000, 0.0000,

232.0344, 269.0090

0.0985

247.3471,
280.3778, 323.8234

■ 0.0000, 0.0000,
0.0000

■ 30.6612, 37.3930,
45.6460

■ 30.6612, 37.3930,
45.6460

■ 28.4396, 36.2487,
45.5425

■ 33.3249, 38.7671,
45.7718

■ 26.6330, 35.3174,
45.4577

■ 36.4491, 40.3777,
45.9183

■ 25.2168, 34.5873,
45.3911

■ 40.0556, 42.2369,
46.0874

■ 24.1621, 34.0435,
45.3414

■ 44.1634, 44.3545,
46.2799

■ 23.4362, 33.6693,
45.3072

■ 48.7907, 46.7400,
46.4968

■ 23.0005, 33.4447,
45.2865

■ 53.9547, 49.4021,
46.7387

■ 22.7764, 33.3292,
45.2757

■ 59.6720, 52.3495,
47.0066

■ 64.0172, 54.5895,
47.2103

■ 64.0173, 54.5896,
47.2106

Harmonies

Analogous

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



30.5326, 37.3930, 37.5738



30.6612, 37.3930, 45.6460



32.0543, 37.3930, 53.2635

Triad

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



30.6612, 37.3930, 45.6460



39.6882, 37.3930, 51.9440



36.6790, 37.3930, 27.4231

Complementary

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



30.6612, 37.3930, 45.6460



27.7454, 24.0550, 21.2713

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.



39.2716, 37.3930, 30.3099



30.6612, 37.3930, 45.6460



41.0691, 37.3930, 44.0258

Square

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



30.6612, 37.3930, 45.6460



37.2235, 37.3930, 57.2152



40.9127, 37.3930, 36.1519



33.9098, 37.3930, 27.7372

Rectangle

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



30.6612, 37.3930, 45.6460



33.5559, 37.3930, 56.7374



40.9127, 37.3930, 36.1519



37.6027, 37.3930, 28.0339

Sweetspot

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



30.6623, 37.3945, 45.6469



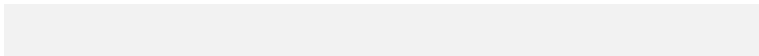
66.9130, 73.6511, 83.3257



26.5979, 35.7831, 23.5950



14.6763, 16.2688, 18.5109



84.5950, 89.0005, 96.9216



16.2198, 17.0645, 18.5832

Same Dimension

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



30.6623, 37.3945, 45.6469



52.6372, 66.2917, 82.6561



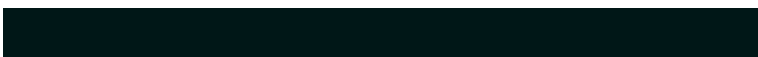
26.1764, 28.4224, 44.1524



8.2364, 9.0721, 10.2696



16.5192, 24.1730, 32.8375



0.4596, 0.6725, 0.9135

Inverse Universe

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



27.7454, 24.0550, 21.2713



46.4385, 37.9438, 30.8555



31.2823, 31.1289, 22.4497



8.0053, 8.0154, 8.3386



12.6607, 6.5268, 0.5927



0.3522, 0.1816, 0.0165

Previews

White Background



This preview shows how the XYZ color 30.6612, 37.3930, 45.6460 looks on a white background.

Color Contrast Check

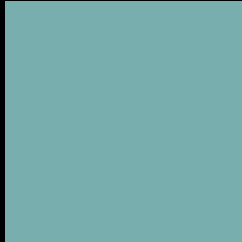
Large Text (above 18pt) WCAG AA × Fail

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 30.6612, 37.3930, 45.6460 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

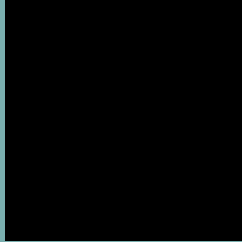
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 30.6612, 37.3930, 45.6460

Background



This preview shows how black text looks on a background with the XYZ color 30.6612, 37.3930, 45.6460.

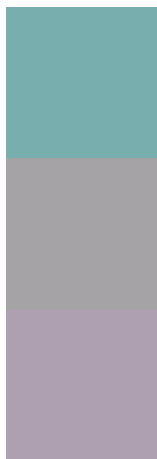


This preview shows how white text looks on a background with the XYZ color 30.6612, 37.3930,

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

30.6612, 37.3930, 45.6460

Protanopia

35.7981, 37.0914, 41.8318

Deuteranopia

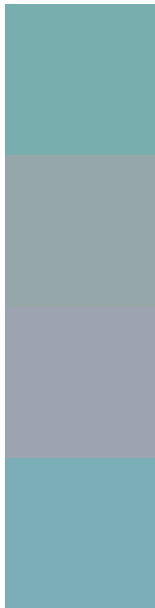
37.7895, 36.9693, 46.7390



Tritanopia

31.9276, 37.3353, 51.9780

Trichromacy



Original Color

30.6612, 37.3930, 45.6460

Protanomaly

33.6521, 37.0237, 43.4029

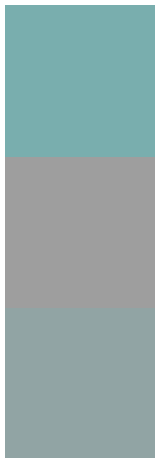
Deuteranomaly

34.6295, 36.6541, 46.3241

Tritanomaly

31.5554, 37.4755, 49.8263

Monochromacy



Original Color

30.6612, 37.3930, 45.6460

Achromatopsia

32.4990, 34.1914, 37.2345

Achromatomaly

31.6534, 35.2510, 40.2578

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.6612, 37.3930, 45.6460 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(121, 174, 174)` looks like.

```
.text, #text, p{  
    color:rgb(121, 174, 174)  
}
```

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(121, 174, 174) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(121, 174, 174) }
```

Border

The CSS property to change the border of an element to XYZ 30.6612, 37.3930, 45.6460 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(121, 174, 174) }
```


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

```
.border{ border-color:rgb(121, 174, 174) }
```

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

Here you see how a box with a 4 pixel `rgb(121, 174, 174)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(121, 174, 174); -webkit-box-  
shadow:4px 4px 4px 4px rgb(121, 174, 174);  
box-shadow:4px 4px 4px 4px rgb(121, 174,  
174) }
```

Background

The CSS property to change the background color of an element to XYZ 30.6612, 37.3930, 45.6460 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(121, 174, 174) }
```

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

```
.background{ background-color: rgb(121,  
174, 174) }
```

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