

Converting Colors

XYZ(23.5149, 27.6280, 30.8221)

Have a look what the booklet for
XYZ(23.5149, 27.6280, 30.8221)
contains.

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Color

**XYZ(23.6249, 27.7790,
30.9048)**

Conversions

Conversions Part 1

Format	Color
Hex	779691
RGB	119, 150, 145
RGB Percent	47%, 59%, 57%
CMY	0.5333, 0.4118, 0.4314
CMYK	0.21, 0.00, 0.03, 0.41
HSL	170°, 13%, 53%
HSV	170°, 21%, 59%
XYZ	23.6249, 27.7790, 30.9048
YIQ	140.1610, -16.8710, -8.1270

Conversions

Conversions Part 2

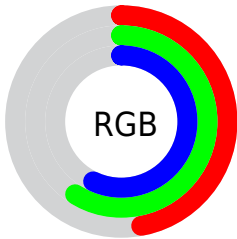
Format	Color
RYB	119, 136, 150
Decimal	7837329
CIELab	59.69, -11.87, -0.94
CIELCh	60, 11.906, 184.527
Yxy	27.7790, 0.2870, 0.3375
Android (android.graphics.Color)	4286027409 (0xFF779691)
YUV	140.1610, 2.3856, -18.5582
Hunter-Lab	52.7058, -12.2241, 2.1285

Details

The XYZ color **23.6249, 27.7790, 30.9048** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **22.8135, 21.1336, 21.9466**, and the grayscale version is **24.9862, 26.2874, 28.6270**.

A 20% lighter version of the original color is **48.9149, 56.0799, 62.2792**, and **9.0532, 11.0520, 12.4826** is the 20% darker color. If you saturate the color by 10%, you get **21.5421, 26.7274, 29.8439**, and if you desaturate by 10%, it is **26.0382, 29.0021, 32.0031**.

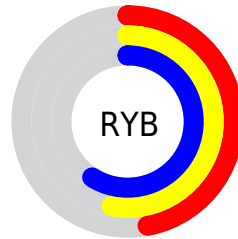
Distribution



Red (47%)

Green (59%)

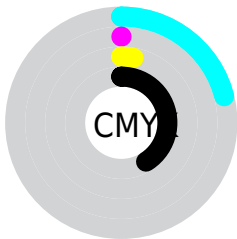
Blue (57%)



Red (47%)

Yellow (53%)

Blue (59%)

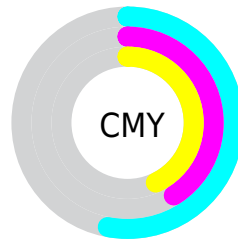


Cyan (21%)

Magenta (0%)

Yellow (3%)

Black (41%)



Cyan (53%)

Magenta (41%)

Yellow (43%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.6249, 27.7790, 30.9048 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 23.6249, 27.7790, 30.9048 by changing the saturation by 10% instead.

■ 23.6249, 27.7790,
30.9048

■ 23.6249, 27.7790,
30.9048

263.3944,
291.4094, 320.4371

■ 15.1788, 18.1591,
20.2685

■ 48.8765, 56.1314,
62.1680

■ 9.0321, 11.0643,
12.4044

■ 66.4128, 75.6327,
83.6319

■ 4.8194, 6.1101,
6.8938

■ 87.7099, 99.1967,
109.5422

■ 2.1754, 2.9121,
3.3183

113.1331,
127.2076, 140.3173

■ 0.7297, 1.0860,
1.2594

143.0478,
160.0500, 176.3758

■ 0.0000, 0.0000,
0.0282

177.8193,

■ 0.0000, 0.0000,

198.1081, 218.1363

0.0000

217.8131,
241.7665, 266.0172

■ 23.6249, 27.7790,
30.9048

■ 23.6249, 27.7790,
30.9048

■ 21.5421, 26.7274,
29.8439

■ 26.0382, 29.0021,
32.0031

■ 19.7722, 25.8358,
28.8178

■ 28.7939, 30.4004,
33.1377

■ 18.2996, 25.0971,
27.8260

■ 31.9061, 31.9821,
34.3099

■ 17.1062, 24.5019,
26.8677

■ 35.3876, 33.7537,
35.5206

■ 16.1723, 24.0399,
25.9418

■ 39.2503, 35.7213,
36.7704

■ 15.4751, 23.6996,
25.0470

■ 43.5057, 37.8909,
38.0600

■ 14.9881, 23.4672,
24.1821

■ 48.1649, 40.2682,
39.3899

■ 14.6599, 23.3150,
23.3988

■ 53.2385, 42.8586,
40.7609

■ 58.7365, 45.6674,
42.1735

Harmonies

Analogous

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



23.8784, 27.7790, 26.8238



23.6249, 27.7790, 30.9048



24.0924, 27.7790, 35.1860

Triad

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



23.6249, 27.7790, 30.9048



28.0757, 27.7790, 37.5929



27.6660, 27.7790, 23.3711

Complementary

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



23.6249, 27.7790, 30.9048



22.8135, 21.1336, 21.9466

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.



28.8570, 27.7790, 25.7926



23.6249, 27.7790, 30.9048



29.0998, 27.7790, 33.9488

Square

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



23.6249, 27.7790, 30.9048



26.6319, 27.7790, 39.2732



29.3910, 27.7790, 29.5978



26.1756, 27.7790, 22.7213

Rectangle

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



23.6249, 27.7790, 30.9048



24.7608, 27.7790, 37.5024



29.3910, 27.7790, 29.5978



28.1165, 27.7790, 23.9928

Sweetspot

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



23.6257, 27.7801, 30.9054



48.0853, 52.2630, 57.3783



22.5732, 27.4433, 21.5604



10.5957, 11.5514, 12.6906



71.1368, 74.8414, 81.5023



11.3376, 11.9280, 12.9896

Same Dimension

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



23.6257, 27.7801, 30.9054



39.8472, 48.0906, 53.6269



22.4430, 24.7838, 32.4565



5.9243, 6.5463, 7.2125



12.1678, 19.3399, 19.4572



0.1576, 0.2402, 0.2837

Inverse Universe

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



22.8135, 21.1336, 21.9466



38.1394, 34.1063, 34.7825



23.8026, 23.6052, 20.7548



5.8367, 5.8297, 6.2463



10.5786, 5.4365, 1.2619



0.1367, 0.0694, 0.0535

Previews

White Background



This preview shows how the XYZ color 23.6249, 27.7790, 30.9048 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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 23.6249, 27.7790, 30.9048 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 × Fail

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

XYZ 23.6249, 27.7790, 30.9048

Background



This preview shows how black text looks on a background with the XYZ color 23.6249, 27.7790, 30.9048.

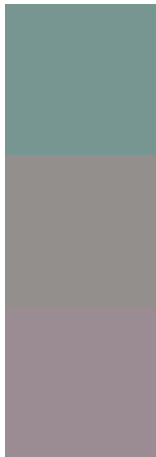


This preview shows how white text looks on a background with the XYZ color 23.6249, 27.7790,

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

23.6249, 27.7790, 30.9048

Protanopia

26.4842, 27.6790, 29.1460

Deuteranopia

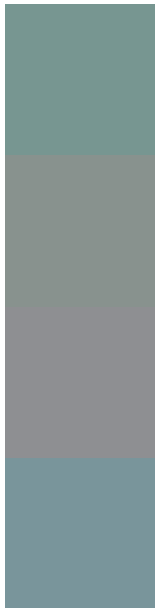
28.0166, 27.5404, 31.4430



Tritanopia

24.9611, 27.8554, 37.3188

Trichromacy



Original Color

23.6249, 27.7790, 30.9048

Protanomaly

25.3147, 27.7450, 29.6123

Deuteranomaly

26.1661, 27.4710, 31.1175

Tritanomaly

24.5490, 27.9264, 35.1068

Monochromacy



Original Color

23.6249, 27.7790, 30.9048

Achromatopsia

24.9269, 26.2251, 28.5591

Achromatomaly

24.3715, 26.8050, 29.4806

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.6249, 27.7790, 30.9048 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(119, 150, 145)` looks like.

```
.text, #text, p{  
    color:rgb(119, 150, 145)  
}
```

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(119, 150, 145) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(119, 150, 145) }
```

Border

The CSS property to change the border of an element to XYZ 23.6249, 27.7790, 30.9048 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(119, 150, 145) }
```


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

```
.border{ border-color:rgb(119, 150, 145) }
```

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

Here you see how a box with a 4 pixel `rgb(119, 150, 145)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(119, 150, 145); -webkit-box-  
shadow:4px 4px 4px 4px rgb(119, 150, 145);  
box-shadow:4px 4px 4px 4px rgb(119, 150,  
145) }
```

Background

The CSS property to change the background color of an element to XYZ 23.6249, 27.7790, 30.9048 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(119, 150, 145) }
```

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

```
.background{ background-color: rgb(119,  
150, 145) }
```

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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