

Converting Colors

XYZ(24.6718, 29.3171, 45.1226)

Have a look what the booklet for
XYZ(24.6718, 29.3171, 45.1226)
contains.

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Color

**XYZ(24.6048, 29.1905,
44.8950)**

Conversions

Conversions Part 1

Format	Color
Hex	639BAF
RGB	99, 155, 175
RGB Percent	39%, 61%, 69%
CMY	0.6118, 0.3921, 0.3137
CMYK	0.43, 0.11, 0.00, 0.31
HSL	196°, 32%, 54%
HSV	196°, 43%, 69%
XYZ	24.6048, 29.1905, 44.8950
YIQ	140.5360, -39.7960, -5.6520

Conversions

Conversions Part 2

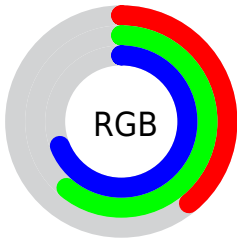
Format	Color
R _Y B	99, 131, 175
Decimal	6527919
CIE Lab	60.95, -13.02, -16.19
CIE LCh	61, 20.772, 231.198
Yxy	29.1905, 0.2493, 0.2958
Android (android.graphics.Color)	4284717999 (0xFF639BAF)
YUV	140.5360, 16.9908, -36.4271
Hunter-Lab	54.0282, -13.2594, -11.4475

Details

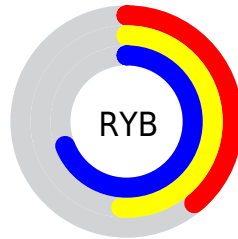
The XYZ color **24.6048, 29.1905, 44.8950** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **26.5287, 23.2090, 14.8868**, and the grayscale version is **25.0836, 26.3899, 28.7386**.

A 20% lighter version of the original color is **50.3611, 58.1428, 84.1697**, and **9.6077, 11.8886, 20.5272** is the 20% darker color. If you saturate the color by 10%, you get **22.1445, 26.8067, 44.5651**, and if you desaturate by 10%, it is **27.5104, 31.8486, 45.2554**.

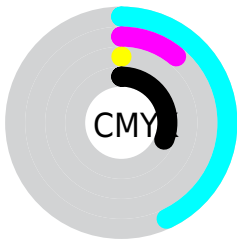
Distribution



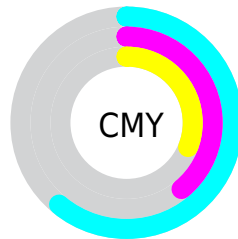
- Red (39%)
- Green (61%)
- Blue (69%)



- Red (39%)
- Yellow (51%)
- Blue (69%)



- Cyan (43%)
- Magenta (11%)
- Yellow (0%)
- Black (31%)



- Cyan (61%)
- Magenta (39%)
- Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 24.6048, 29.1905, 44.8950 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 24.6048, 29.1905, 44.8950 by changing the saturation by 10% instead.

■ 24.6048, 29.1905,
44.8950

■ 24.6048, 29.1905,
44.8950

268.2481,
298.1127, 382.4959

■ 15.9100, 19.2250,
31.0324

■ 50.4629, 58.3796,
83.8796

■ 9.5509, 11.8330,
20.3648

■ 68.3569, 78.3720,
109.8387

■ 5.1622, 6.6300,
12.4738

■ 90.0481, 102.4755,
140.6670

■ 2.3785, 3.2318,
6.9408

■ 115.9017,
131.0744, 176.7830

■ 0.8344, 1.2539,
3.3472

146.2832,
164.5532, 218.6054

■ 0.0000, 0.1051,
1.2745

181.5578,

■ 0.0000, 0.0000,

203.2963, 266.5527

0.0408

222.0910,
247.6880, 321.0433

■ 0.0000, 0.0000,
0.0000

■ 24.6048, 29.1905,
44.8950

■ 24.6048, 29.1905,
44.8950

■ 22.1445, 26.8067,
44.5651

■ 27.5104, 31.8486,
45.2554

■ 20.0995, 24.6792,
44.2622

■ 30.8836, 34.7910,
45.6456

■ 18.4400, 22.7929,
43.9856

■ 34.7482, 38.0310,
46.0673

■ 17.1312, 21.1293,
43.7335

■ 39.1257, 41.5802,
46.5216

■ 16.1310, 19.6663,
43.5038

■ 44.0362, 45.4494,
47.0097

■ 15.5817, 18.7827,
43.3622

■ 49.4987, 49.6489,
47.5323

■ 55.5313, 54.1883,
48.0906

■ 62.1511, 59.0770,
48.6853

■ 68.8191, 64.0375,
49.2913

Harmonies

Analogous

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



23.1630, 29.1905, 37.4930



24.6048, 29.1905, 44.8950



26.9547, 29.1905, 48.9367

Triad

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



24.6048, 29.1905, 44.8950



33.2214, 29.1905, 34.1230



25.9022, 29.1905, 19.7978

Complementary

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



24.6048, 29.1905, 44.8950



26.5287, 23.2090, 14.8868

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.



28.5500, 29.1905, 19.1955



24.6048, 29.1905, 44.8950



32.8939, 29.1905, 26.6852

Square

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



24.6048, 29.1905, 44.8950



32.0085, 29.1905, 42.0860



31.1410, 29.1905, 21.5111



23.8774, 29.1905, 23.3165

Rectangle

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



24.6048, 29.1905, 44.8950



28.7694, 29.1905, 48.7923



31.1410, 29.1905, 21.5111



26.7446, 29.1905, 19.2731

Sweetspot

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



24.6057, 29.1916, 44.8957



62.3814, 68.2343, 82.5196



23.7463, 34.6213, 22.5714



13.5123, 14.8744, 18.3032



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.



24.6057, 29.1916, 44.8957



39.8734, 48.2231, 79.8433



19.3627, 18.7055, 43.1480



8.0553, 8.7100, 10.2093



11.2105, 13.5549, 31.0700



0.3532, 0.4598, 0.8781

Inverse Universe

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



28.0582, 20.4050, 33.4713



47.0765, 31.2272, 55.7084



31.8205, 33.7925, 16.6507



8.2457, 8.1115, 9.6048



15.5222, 7.6714, 15.6612



0.4527, 0.2218, 0.5456

Previews

White Background



This preview shows how the XYZ color 24.6048, 29.1905, 44.8950 looks on a white background.

Color Contrast Check

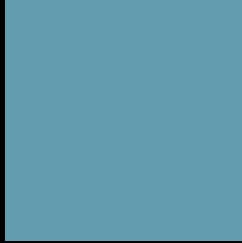
Large Text (above 18pt) WCAG AA ✓ Pass

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 24.6048, 29.1905, 44.8950 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 24.6048, 29.1905, 44.8950

Background



This preview shows how black text looks on a background with the XYZ color 24.6048, 29.1905, 44.8950.



This preview shows how white text looks on a background with the XYZ color 24.6048, 29.1905,

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

24.6048, 29.1905, 44.8950

Protanopia

28.4422, 28.8662, 41.6088

Deuteranopia

29.5354, 28.8790, 46.1370



Tritanopia

23.9797, 29.1829, 41.9051

Trichromacy



Original Color

24.6048, 29.1905, 44.8950

Protanomaly

26.7023, 28.8708, 42.6933

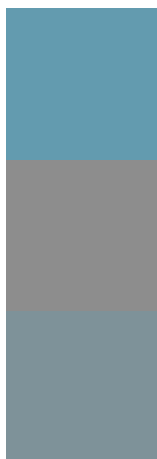
Deuteranomaly

27.2716, 28.6310, 45.6839

Tritanomaly

24.2762, 29.3139, 42.9067

Monochromacy



Original Color

24.6048, 29.1905, 44.8950

Achromatopsia

25.3171, 26.6356, 29.0061

Achromatomaly

24.6328, 27.2933, 34.1068

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.6048, 29.1905, 44.8950 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(99, 155, 175)` looks like.

```
.text, #text, p{  
    color:rgb(99, 155, 175)  
}
```

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(99, 155, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(99, 155, 175) }
```

Border

The CSS property to change the border of an element to XYZ 24.6048, 29.1905, 44.8950 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(99, 155, 175) }
```


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

```
.border{ border-color:rgb(99, 155, 175) }
```

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

Here you see how a box with a 4 pixel `rgb(99, 155, 175)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(99, 155, 175); -webkit-box-  
shadow:4px 4px 4px 4px rgb(99, 155, 175);  
box-shadow:4px 4px 4px 4px rgb(99, 155,  
175) }
```

Background

The CSS property to change the background color of an element to XYZ 24.6048, 29.1905, 44.8950 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(99, 155, 175) }
```

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

```
.background{ background-color: rgb(99, 155,  
175) }
```

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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