

Converting Colors

XYZ(12.1787, 12.9608, 18.6894)

Have a look what the booklet for
XYZ(12.1787, 12.9608, 18.6894)
contains.

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Color

**XYZ(12.1787, 12.9608,
18.6894)**

Conversions

Conversions Part 1

Format	Color
Hex	5A6675
RGB	90, 102, 117
RGB Percent	35%, 40%, 46%
CMY	0.6471, 0.6000, 0.5412
CMYK	0.23, 0.13, 0.00, 0.54
HSL	213°, 13%, 41%
HSV	213°, 23%, 46%
XYZ	12.1787, 12.9608, 18.6894
YIQ	100.1220, -11.9670, 2.1210

Conversions

Conversions Part 2

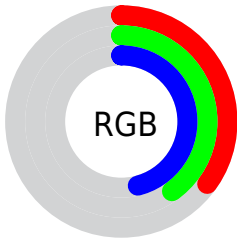
Format	Color
RYB	90, 98, 117
Decimal	5924469
CIELab	42.70, -0.96, -9.94
CIElCh	43, 9.982, 264.463
Yxy	12.9608, 0.2779, 0.2957
Android (android.graphics.Color)	4284114549 (0xFF5A6675)
YUV	100.1220, 8.3209, -8.8770
Hunter-Lab	36.0011, -2.6178, -5.5787

Details

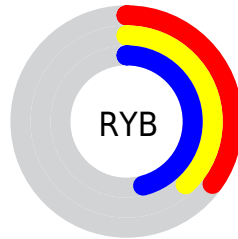
The XYZ color **12.1787, 12.9608, 18.6894** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **14.2332, 14.6231, 11.7455**, and the grayscale version is **12.1262, 12.7577, 13.8931**.

A 20% lighter version of the original color is **29.3679, 31.2225, 42.0148**, and **3.4791, 3.6975, 6.1605** is the 20% darker color. If you saturate the color by 10%, you get **10.5152, 11.1922, 18.4359**, and if you desaturate by 10%, it is **14.0722, 14.9230, 18.9686**.

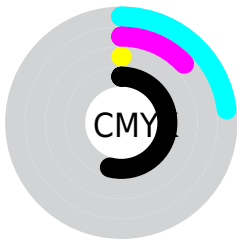
Distribution



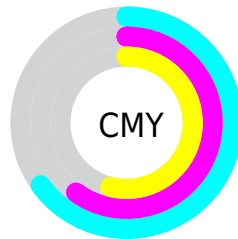
- Red (35%)
- Green (40%)
- Blue (46%)



- Red (35%)
- Yellow (38%)
- Blue (46%)



- Cyan (23%)
- Magenta (13%)
- Yellow (0%)
- Black (54%)



- Cyan (65%)
- Magenta (60%)
- Yellow (54%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.1787, 12.9608, 18.6894 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 12.1787, 12.9608, 18.6894 by changing the saturation by 10% instead.

■ 12.1787, 12.9608,
18.6894

■ 12.1787, 12.9608,
18.6894

■ 199.3306,
210.6663, 257.0940

■ 6.9386, 7.4016,
11.2715

■ 29.4342, 31.2333,
42.0383

■ 3.4697, 3.7145,
6.1333

■ 42.1803, 44.7154,
58.8064

■ 1.4067, 1.5152,
2.8562

■ 58.1590, 61.6073,
79.5283

■ 0.2610, 0.2994,
1.0217

■ 77.7358, 82.2932,
104.6225

■ 0.0000, 0.0000,
0.0000

■ 101.2760,
107.1577, 134.5077

129.1450,

136.5851, 169.6023

161.7081,
170.9599, 210.3249

■ 12.1787, 12.9608,
18.6894

■ 12.1787, 12.9608,
18.6894

■ 10.5152, 11.1922,
18.4359

■ 14.0722, 14.9230,
18.9686

■ 9.0711, 9.6090,
18.2064

■ 16.2036, 17.0835,
19.2732

■ 7.8365, 8.2048,
18.0005

■ 18.5815, 19.4487,
19.6044

■ 6.8004, 6.9719,
17.8171

■ 21.2140, 22.0242,
19.9628

■ 5.9506, 5.9023,
17.6554

■ 24.1088, 24.8156,
20.3490

■ 5.2733, 4.9868,
17.5144

■ 27.2731, 27.8280,
20.7637

■ 4.7512, 4.2144,
17.3929

■ 30.7138, 31.0664,
21.2074

■ 4.4393, 3.7410,
17.3179

■ 34.4379, 34.5358,
21.6808

■ 38.4516, 38.2407,
22.1844

Harmonies

Analogous

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



11.4907, 12.9608, 17.7898



12.1787, 12.9608, 18.6894



12.9325, 12.9608, 18.2641

Triad

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



12.1787, 12.9608, 18.6894



13.6941, 12.9608, 12.4527



11.1701, 12.9608, 11.8217

Complementary

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



12.1787, 12.9608, 18.6894



14.2332, 14.6231, 11.7455

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.



11.7249, 12.9608, 10.6425



12.1787, 12.9608, 18.6894



13.1858, 12.9608, 10.9798

Square

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



12.1787, 12.9608, 18.6894



13.8277, 12.9608, 14.5189



12.4601, 12.9608, 10.3508



10.9239, 12.9608, 13.7130

Rectangle

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



12.1787, 12.9608, 18.6894



13.3685, 12.9608, 17.3069



12.4601, 12.9608, 10.3508



11.3256, 12.9608, 11.3369

Sweetspot

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



12.1791, 12.9613, 18.6897



27.3965, 28.9596, 34.2828



13.1201, 15.9133, 15.7045



6.2644, 6.6233, 7.8772



57.3938, 60.3827, 65.7568



6.9614, 7.3239, 7.9757

Same Dimension

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



12.1791, 12.9613, 18.6897



20.0771, 21.3791, 33.2054



11.2162, 10.8389, 18.3308



3.6222, 3.8330, 4.6392



4.8759, 4.0915, 19.0753



22.9331, 18.2827, 92.6805

Inverse Universe

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



13.3909, 12.0538, 14.1919



22.7060, 19.5491, 23.4162



15.3630, 17.1500, 12.1737



3.7453, 3.7254, 4.1856



8.7583, 4.4370, 3.9353



42.2623, 21.4550, 16.9765

Previews

White Background



This preview shows how the XYZ color 12.1787, 12.9608, 18.6894 looks on a white 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

Black Background



This preview shows how the XYZ color 12.1787, 12.9608, 18.6894 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

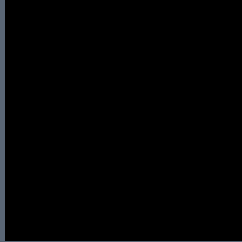
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

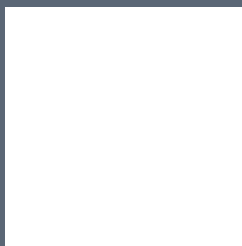
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 12.1787, 12.9608, 18.6894

Background



This preview shows how black text looks on a background with the XYZ color 12.1787, 12.9608, 18.6894.



This preview shows how white text looks on a background with the XYZ color 12.1787, 12.9608,

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

12.1787, 12.9608, 18.6894

Protanopia

12.7466, 12.9720, 18.3550

Deuteranopia

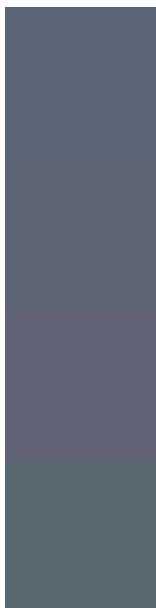
13.1172, 12.8682, 18.9320



Tritanopia

11.8393, 12.9720, 16.9188

Trichromacy



Original Color

12.1787, 12.9608, 18.6894

Protanomaly

12.5254, 13.0012, 18.3723

Deuteranomaly

12.7689, 12.8284, 18.9427

Tritanomaly

11.9507, 13.0166, 17.5054

Monochromacy



Original Color

12.1787, 12.9608, 18.6894

Achromatopsia

12.1130, 12.7438, 13.8780

Achromatomaly

12.0791, 12.8348, 15.4764

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.1787, 12.9608, 18.6894 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(90, 102, 117) looks like.

```
.text, #text, p{  
    color:rgb(90, 102, 117)  
}
```

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(90, 102, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(90, 102, 117) }
```

Border

The CSS property to change the border of an element to XYZ 12.1787, 12.9608, 18.6894 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(90, 102, 117) }
```


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

```
.border{ border-color:rgb(90, 102, 117) }
```

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

Here you see how a box with a 4 pixel `rgb(90, 102, 117)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(90, 102, 117); -webkit-box-  
shadow:4px 4px 4px 4px rgb(90, 102, 117);  
box-shadow:4px 4px 4px 4px rgb(90, 102,  
117) }
```

Background

The CSS property to change the background color of an element to XYZ 12.1787, 12.9608, 18.6894 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(90, 102, 117) }
```

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

```
.background{ background-color: rgb(90, 102,  
117) }
```

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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