

Converting Colors

XYZ(12.5388, 12.1211, 19.0538)

Have a look what the booklet for
XYZ(12.5388, 12.1211, 19.0538)
contains.

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Color

**XYZ(12.5676, 12.1690,
19.1392)**

Conversions

Conversions Part 1

Format	Color
Hex	635F77
RGB	99, 95, 119
RGB Percent	39%, 37%, 47%
CMY	0.6118, 0.6274, 0.5333
CMYK	0.17, 0.20, 0.00, 0.53
HSL	250°, 11%, 42%
HSV	250°, 20%, 47%
XYZ	12.5676, 12.1690, 19.1392
YIQ	98.9320, -5.3200, 8.3120

Conversions

Conversions Part 2

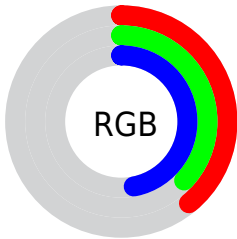
Format	Color
R_{YB}	99, 95, 119
Decimal	6512503
CIE Lab	41.48, 6.95, -12.92
CIE LCh	41, 14.677, 298.279
Yxy	12.1690, 0.2864, 0.2774
Android (android.graphics.Color)	4284702583 (0xFF635F77)
YUV	98.9320, 9.8935, 0.0596
Hunter-Lab	34.8841, 3.2606, -8.1107

Details

The XYZ color **12.5676, 12.1690, 19.1392** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **15.7330, 17.6650, 13.4075**, and the grayscale version is **11.8198, 12.4353, 13.5421**.

A 20% lighter version of the original color is **30.0538, 29.6751, 42.6719**, and **3.6518, 3.3816, 6.4215** is the 20% darker color. If you saturate the color by 10%, you get **10.5588, 9.6621, 18.7614**, and if you desaturate by 10%, it is **14.8740, 15.0730, 19.5784**.

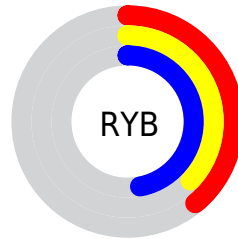
Distribution



Red (39%)

Green (37%)

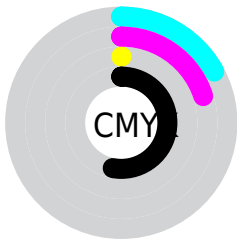
Blue (47%)



Red (39%)

Yellow (37%)

Blue (47%)

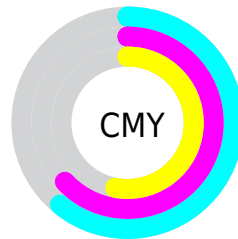


Cyan (17%)

Magenta (20%)

Yellow (0%)

Black (53%)



Cyan (61%)

Magenta (63%)

Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.5676, 12.1690, 19.1392 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 12.5676, 12.1690, 19.1392 by changing the saturation by 10% instead.

■ 12.5676, 12.1690,
19.1392

■ 12.5676, 12.1690,
19.1392

201.8217,
205.5209, 259.6644

■ 7.2064, 6.8589,
11.5931

■ 30.1327, 29.8025,
42.8090

■ 3.6390, 3.3740,
6.3481

■ 43.0673, 42.8947,
59.7698

■ 1.5000, 1.3300,
2.9857

■ 59.2572, 59.3498,
80.7058

■ 0.3258, 0.1642,
1.0873

■ 79.0676, 79.5520,
106.0357

■ 0.0000, 0.0000,
0.0000

102.8638,
103.8858, 136.1780

131.0114,

132.7357, 171.5512

163.8756,
166.4859, 212.5738

■ 12.5676, 12.1690,
19.1392

■ 12.5676, 12.1690,
19.1392

■ 10.5588, 9.6621,
18.7614

■ 14.8740, 15.0730,
19.5784

■ 8.8343, 7.5336,
18.4414

■ 17.4883, 18.3889,
20.0806

■ 7.3814, 5.7654,
18.1767

■ 20.4219, 22.1325,
20.6486

■ 6.1859, 4.3373,
17.9641

■ 23.6851, 26.3183,
21.2845

■ 5.2325, 3.2271,
17.8000

■ 27.2877, 30.9601,
21.9906

■ 4.5040, 2.4101,
17.6807

■ 31.2392, 36.0713,
22.7689

■ 3.9810, 1.8575,
17.6016

■ 35.5486, 41.6644,
23.6213

■ 3.6149, 1.4789,
17.5479

■ 40.2249, 47.7517,
24.5499

■ 45.2763, 54.3450,
25.5562

Harmonies

Analogous

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



11.5047, 12.1690, 20.0475



12.5676, 12.1690, 19.1392



13.4041, 12.1690, 16.5921

Triad

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



12.5676, 12.1690, 19.1392



12.6809, 12.1690, 8.8472



9.6311, 12.1690, 13.0740

Complementary

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



12.5676, 12.1690, 19.1392



15.7330, 17.6650, 13.4075

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.



9.9046, 12.1690, 10.3897



12.5676, 12.1690, 19.1392



11.6281, 12.1690, 8.1942

Square

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



12.5676, 12.1690, 19.1392



13.4724, 12.1690, 10.6523



10.6196, 12.1690, 8.7128



9.8490, 12.1690, 16.2389

Rectangle

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



12.5676, 12.1690, 19.1392



13.6977, 12.1690, 14.4821



10.6196, 12.1690, 8.7128



9.6683, 12.1690, 12.0898

Sweetspot

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



12.5680, 12.1695, 19.1395



28.4467, 29.2845, 35.4062



14.2259, 16.1180, 19.8142



6.6877, 6.8718, 8.3806



59.0181, 62.0916, 67.6177



7.4413, 7.8288, 8.5256

Same Dimension

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



12.5680, 12.1695, 19.1395



20.8426, 19.7112, 33.9592



13.9277, 12.8705, 19.2031



3.5523, 3.6165, 4.6011



3.8343, 1.5680, 18.6431



18.1800, 7.3806, 90.8267

Inverse Universe

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



14.7948, 13.3447, 18.0161



25.5786, 22.2118, 31.5108



14.3023, 16.9274, 13.3406



3.8017, 3.7480, 4.4825



10.4812, 5.1262, 13.0082



50.8052, 24.8722, 61.9630

Previews

White Background



This preview shows how the XYZ color 12.5676, 12.1690, 19.1392 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 12.5676, 12.1690, 19.1392 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 12.5676, 12.1690, 19.1392

Background



This preview shows how black text looks on a background with the XYZ color 12.5676, 12.1690, 19.1392.



This preview shows how white text looks on a background with the XYZ color 12.5676, 12.1690,

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

12.5676, 12.1690, 19.1392

Protanopia

12.0785, 12.1808, 19.4838

Deuteranopia

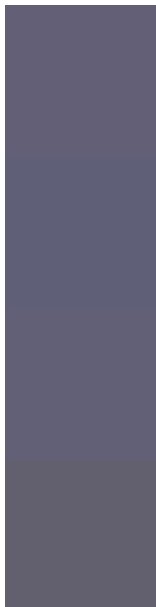
12.4424, 12.2390, 19.1593



Tritanopia

11.7543, 12.1107, 15.0827

Trichromacy



Original Color

12.5676, 12.1690, 19.1392

Protanomaly

12.2924, 12.1547, 19.4675

Deuteranomaly

12.5496, 12.2943, 19.1644

Tritanomaly

12.0343, 12.0882, 16.4508

Monochromacy



Original Color

12.5676, 12.1690, 19.1392

Achromatopsia

11.8596, 12.4772, 13.5877

Achromatomaly

12.1148, 12.4286, 15.3961

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.5676, 12.1690, 19.1392 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, 95, 119) looks like.

```
.text, #text, p{  
    color:rgb(99, 95, 119)  
}
```

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, 95, 119) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(99, 95, 119) }
```

Border

The CSS property to change the border of an element to XYZ 12.5676, 12.1690, 19.1392 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, 95, 119) }
```


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

```
.border{ border-color:rgb(99, 95, 119) }
```

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

Here you see how a box with a 4 pixel `rgb(99, 95, 119)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(99, 95, 119); -webkit-box-  
shadow:4px 4px 4px 4px rgb(99, 95, 119);  
box-shadow:4px 4px 4px 4px rgb(99, 95,  
119) }
```

Background

The CSS property to change the background color of an element to XYZ 12.5676, 12.1690, 19.1392 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(99, 95, 119) }
```

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

```
.background{ background-color: rgb(99, 95,  
119) }
```

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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