

Converting Colors

XYZ(12.0610, 10.1343, 25.0499)

Have a look what the booklet for
XYZ(12.0610, 10.1343, 25.0499)
contains.

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Color

**XYZ(12.0469, 10.1679,
24.9946)**

Conversions

Conversions Part 1

Format	Color
Hex	5D5289
RGB	93, 82, 137
RGB Percent	36%, 32%, 54%
CMY	0.6353, 0.6784, 0.4627
CMYK	0.32, 0.40, 0.00, 0.46
HSL	252°, 25%, 43%
HSV	252°, 40%, 54%
XYZ	12.0469, 10.1679, 24.9946
YIQ	91.5590, -11.0990, 19.4370

Conversions

Conversions Part 2

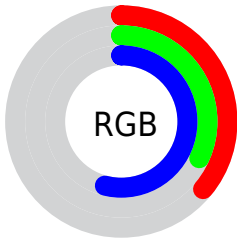
Format	Color
R_{YB}	93, 82, 137
Decimal	6115977
CIE _{Lab}	38.14, 17.79, -29.11
CIE _{LCh}	38, 34.115, 301.427
Yxy	10.1679, 0.2552, 0.2154
Android (android.graphics.Color)	4284306057 (0xFF5D5289)
YUV	91.5590, 22.4024, 1.2638
Hunter-Lab	31.8871, 11.6344, -24.1532

Details

The XYZ color **12.0469, 10.1679, 24.9946** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **19.0729, 22.9363, 11.4049**, and the grayscale version is **10.0239, 10.5460, 11.4845**.

A 20% lighter version of the original color is **29.1973, 26.0139, 52.7725**, and **3.4206, 2.5467, 9.3281** is the 20% darker color. If you saturate the color by 10%, you get **10.0842, 7.7727, 24.6359**, and if you desaturate by 10%, it is **14.3757, 13.0584, 25.4300**.

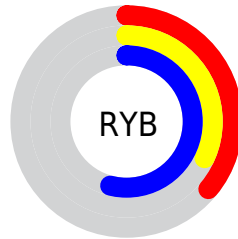
Distribution



 Red (36%)

 Green (32%)

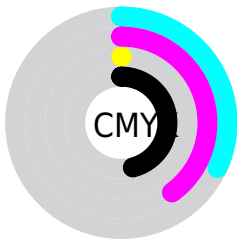
 Blue (54%)



 Red (36%)

 Yellow (32%)

 Blue (54%)

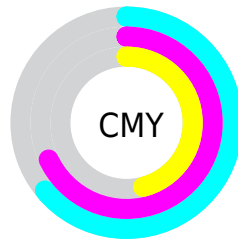


 Cyan (32%)

 Magenta (40%)

 Yellow (0%)

 Black (46%)



 Cyan (64%)

 Magenta (68%)

 Yellow (46%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.0469, 10.1679, 24.9946 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 12.0469, 10.1679, 24.9946 by changing the saturation by 10% instead.

■ 12.0469, 10.1679,
24.9946

■ 12.0469, 10.1679,
24.9946

198.4791,
191.8662, 291.2579

■ 6.8481, 5.5104,
15.8540

■ 29.1966, 26.1108,
52.6125

■ 3.4127, 2.5497,
9.2677

■ 41.8782, 38.1651,
71.9269

■ 1.3756, 0.9015,
4.8170

■ 57.7847, 53.4537,
95.4696

■ 0.2387, 0.0000,
2.0834

■ 77.2816, 72.3611,
123.6593

■ 0.0000, 0.0000,
0.6059

■ 100.7341, 95.2716,
156.9144

■ 0.0000, 0.0000,
0.0000

128.5076,

122.5697, 195.6535

160.9675,
154.6398, 240.2952

■ 12.0469, 10.1679,
24.9946

■ 12.0469, 10.1679,
24.9946

■ 10.0842, 7.7727,
24.6359

■ 14.3757, 13.0584,
25.4300

■ 8.4674, 5.8436,
24.3488

■ 17.0870, 16.4689,
25.9454

■ 7.1759, 4.3497,
24.1285

■ 20.1978, 20.4240,
26.5448

■ 6.1865, 3.2563,
23.9696

■ 23.7235, 24.9462,
27.2319

■ 5.4727, 2.5229,
23.8657

■ 27.6789, 30.0568,
28.0098

■ 4.9781, 2.0447,
23.7994

■ 32.0778, 35.7760,
28.8819

■ 36.9336, 42.1230,
29.8511

■ 42.2591, 49.1162,
30.9202

■ 48.0664, 56.7731,
32.0921

Harmonies

Analogous

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



9.7702, 10.1679, 28.1788



12.0469, 10.1679, 24.9946



13.8847, 10.1679, 17.9505

Triad

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



12.0469, 10.1679, 24.9946



11.8364, 10.1679, 3.4665



6.0163, 10.1679, 11.3761

Complementary

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



12.0469, 10.1679, 24.9946



19.0729, 22.9363, 11.4049

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.



6.3996, 10.1679, 6.2213



12.0469, 10.1679, 24.9946



9.5591, 10.1679, 2.8301

Square

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



12.0469, 10.1679, 24.9946



13.7508, 10.1679, 5.8716



7.6186, 10.1679, 3.6077



6.4801, 10.1679, 18.6827

Rectangle

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



12.0469, 10.1679, 24.9946



14.4903, 10.1679, 12.9810



7.6186, 10.1679, 3.6077



6.0499, 10.1679, 9.3584

Sweetspot

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



12.0473, 10.1683, 24.9948



34.9282, 34.9905, 47.2961



15.4562, 18.5220, 26.4276



7.6961, 7.6722, 10.5816



65.7814, 69.2071, 75.3665



9.5508, 10.0482, 10.9424

Same Dimension

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



12.0473, 10.1683, 24.9948



18.4099, 14.3439, 44.1815



15.3482, 11.8700, 25.1493



4.8621, 4.9373, 6.3026



4.6455, 1.9090, 22.1693



0.0407, 0.0178, 0.1477

Inverse Universe

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



17.0999, 12.8596, 21.3195



28.8387, 19.9074, 36.2086



15.5601, 21.1254, 11.2405



5.1917, 5.1121, 6.0980



12.2154, 5.9963, 14.1704



0.0862, 0.0419, 0.1207

Previews

White Background



This preview shows how the XYZ color 12.0469, 10.1679, 24.9946 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 12.0469, 10.1679, 24.9946 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 12.0469, 10.1679, 24.9946

Background



This preview shows how black text looks on a background with the XYZ color 12.0469, 10.1679, 24.9946.



This preview shows how white text looks on a background with the XYZ color 12.0469, 10.1679,

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

12.0469, 10.1679, 24.9946

Protanopia

10.8265, 10.1977, 26.9889

Deuteranopia

10.3998, 10.1592, 24.3345



Tritanopia

9.6071, 10.1255, 13.0033

Trichromacy



Original Color

12.0469, 10.1679, 24.9946

Protanomaly

11.2033, 10.1687, 26.1832

Deuteranomaly

10.9136, 10.0529, 24.6577

Tritanomaly

10.3573, 10.0609, 16.7253

Monochromacy



Original Color

12.0469, 10.1679, 24.9946

Achromatopsia

10.1725, 10.7023, 11.6548

Achromatomaly

10.6101, 10.3375, 15.6235

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.0469, 10.1679, 24.9946 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(93, 82, 137) looks like.

```
.text, #text, p{  
  color:rgb(93, 82, 137)  
}
```

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(93, 82, 137) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(93, 82, 137) }
```

Border

The CSS property to change the border of an element to XYZ 12.0469, 10.1679, 24.9946 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(93, 82, 137) }
```


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

```
.border{ border-color:rgb(93, 82, 137) }
```

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

Here you see how a box with a 4 pixel `rgb(93, 82, 137)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(93, 82, 137); -webkit-box-  
shadow:4px 4px 4px 4px rgb(93, 82, 137);  
box-shadow:4px 4px 4px 4px rgb(93, 82,  
137) }
```

Background

The CSS property to change the background color of an element to XYZ 12.0469, 10.1679, 24.9946 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(93, 82, 137) }
```

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

```
.background{ background-color: rgb(93, 82,  
137) }
```

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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