

Converting Colors

XYZ(12.2061, 9.9789, 25.0820)

Have a look what the booklet for
XYZ(12.2061, 9.9789, 25.0820)
contains.

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Color

**XYZ(12.2079, 10.0303,
24.9595)**

Conversions

Conversions Part 1

Format	Color
Hex	605089
RGB	96, 80, 137
RGB Percent	38%, 31%, 54%
CMY	0.6235, 0.6863, 0.4627
CMYK	0.30, 0.42, 0.00, 0.46
HSL	257°, 26%, 43%
HSV	257°, 42%, 54%
XYZ	12.2079, 10.0303, 24.9595
YIQ	91.2820, -8.7610, 21.1190

Conversions

Conversions Part 2

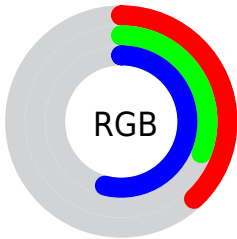
Format	Color
R_{YB}	96, 80, 137
Decimal	6312073
CIE _{Lab}	37.90, 19.96, -29.48
CIE _{LCh}	38, 35.598, 304.103
Yxy	10.0303, 0.2587, 0.2125
Android (android.graphics.Color)	4284502153 (0xFF605089)
YUV	91.2820, 22.5390, 4.1377
Hunter-Lab	31.6706, 13.3817, -24.5567

Details

The XYZ color **12.2079, 10.0303, 24.9595** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **18.2790, 22.5357, 10.9762**, and the grayscale version is **9.9601, 10.4788, 11.4115**.

A 20% lighter version of the original color is **29.4670, 25.7580, 52.7089**, and **3.4936, 2.4945, 9.3142** is the 20% darker color. If you saturate the color by 10%, you get **10.3326, 7.7234, 24.6132**, and if you desaturate by 10%, it is **14.4184, 12.8141, 25.3805**.

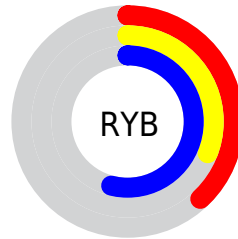
Distribution



Red (38%)

Green (31%)

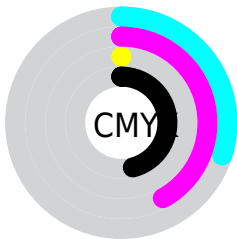
Blue (54%)



Red (38%)

Yellow (31%)

Blue (54%)

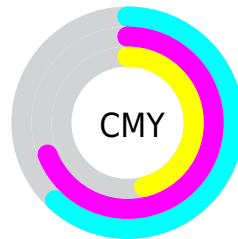


Cyan (30%)

Magenta (42%)

Yellow (0%)

Black (46%)



Cyan (62%)

Magenta (69%)

Yellow (46%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.2079, 10.0303, 24.9595 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 12.2079, 10.0303, 24.9595 by changing the saturation by 10% instead.

■ 12.2079, 10.0303,
24.9595

■ 12.2079, 10.0303,
24.9595

199.5188,
190.8882, 291.0774

■ 6.9586, 5.4191,
15.8281

■ 29.4868, 25.8525,
52.5548

■ 3.4823, 2.4952,
9.2496

■ 42.2471, 37.8322,
71.8559

■ 1.4137, 0.8742,
4.8053

■ 58.2418, 53.0369,
95.3839

■ 0.2659, 0.0000,
2.0768

■ 77.8363, 71.8509,
123.5574

■ 0.0000, 0.0000,
0.6019

■ 101.3958, 94.6586,
156.7950

■ 0.0000, 0.0000,
0.0000

129.2859,

121.8445, 195.5151

161.8717,
153.7929, 240.1364

■ 12.2079, 10.0303,
24.9595

■ 12.2079, 10.0303,
24.9595

■ 10.3326, 7.7234,
24.6132

■ 14.4184, 12.8141,
25.3805

■ 8.7743, 5.8648,
24.3366

■ 16.9792, 16.0988,
25.8795

■ 7.5141, 4.4243,
24.1250

■ 19.9054, 19.9084,
26.4606

■ 6.5311, 3.3678,
23.9729

■ 23.2111, 24.2647,
27.1273

■ 5.8008, 2.6551,
23.8738

■ 26.9096, 29.1885,
27.8827

■ 5.3317, 2.2270,
23.8159

■ 31.0136, 34.6994,
28.7301

■ 35.5350, 40.8160,
29.6725

■ 40.4854, 47.5562,
30.7125

■ 45.8760, 54.9370,
31.8530

Harmonies

Analogous

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



9.8505, 10.0303, 28.8334



12.2079, 10.0303, 24.9595



14.0444, 10.0303, 17.3715

Triad

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



12.2079, 10.0303, 24.9595



11.5786, 10.0303, 3.0744



5.7962, 10.0303, 11.8442

Complementary

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



12.2079, 10.0303, 24.9595



18.2790, 22.5357, 10.9762

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.



6.1095, 10.0303, 6.3055



12.2079, 10.0303, 24.9595



9.2233, 10.0303, 2.5764

Square

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



12.2079, 10.0303, 24.9595



13.6423, 10.0303, 5.2873



7.2813, 10.0303, 3.4765



6.3456, 10.0303, 19.5784

Rectangle

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



12.2079, 10.0303, 24.9595



14.5911, 10.0303, 12.2622



7.2813, 10.0303, 3.4765



5.8048, 10.0303, 9.6819

Sweetspot

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



12.2083, 10.0307, 24.9597



35.2799, 35.1718, 47.3126



14.7589, 17.3819, 26.2442



7.7809, 7.7159, 10.5856



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.



12.2083, 10.0307, 24.9597



18.6583, 14.0187, 44.1056



15.6532, 11.8066, 25.1210



4.8980, 4.9558, 6.3043



4.9770, 2.0798, 22.1848



0.0459, 0.0204, 0.1480

Inverse Universe

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



16.6366, 12.4365, 19.6130



27.8550, 19.0254, 32.5351



14.9386, 20.8136, 10.8199



5.1750, 5.1054, 6.0099



11.6926, 5.7872, 11.4177



0.0839, 0.0409, 0.1088

Previews

White Background



This preview shows how the XYZ color 12.2079, 10.0303, 24.9595 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 12.2079, 10.0303, 24.9595 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 12.2079, 10.0303, 24.9595

Background



This preview shows how black text looks on a background with the XYZ color 12.2079, 10.0303, 24.9595.



This preview shows how white text looks on a background with the XYZ color 12.2079, 10.0303,

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

12.2079, 10.0303, 24.9595

Protanopia

10.8261, 10.0590, 27.7565

Deuteranopia

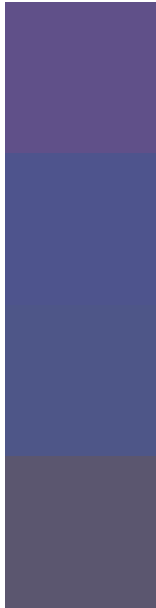
10.3294, 10.1230, 24.3312



Tritanopia

9.7082, 10.0640, 12.4972

Trichromacy



Original Color

12.2079, 10.0303, 24.9595

Protanomaly

11.1199, 9.8834, 26.5209

Deuteranomaly

10.9136, 10.0529, 24.6577

Tritanomaly

10.5114, 10.0274, 16.4204

Monochromacy



Original Color

12.2079, 10.0303, 24.9595

Achromatopsia

9.9438, 10.4616, 11.3927

Achromatomaly

10.6292, 10.2263, 15.6010

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.2079, 10.0303, 24.9595 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(96, 80, 137) looks like.

```
.text, #text, p{  
    color:rgb(96, 80, 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(96, 80, 137) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(96, 80, 137) }
```

Border

The CSS property to change the border of an element to XYZ 12.2079, 10.0303, 24.9595 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(96, 80, 137) }
```


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

```
.border{ border-color:rgb(96, 80, 137) }
```

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

Here you see how a box with a 4 pixel `rgb(96, 80, 137)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(96, 80, 137); -webkit-box-  
shadow:4px 4px 4px 4px rgb(96, 80, 137);  
box-shadow:4px 4px 4px 4px rgb(96, 80,  
137) }
```

Background

The CSS property to change the background color of an element to XYZ 12.2079, 10.0303, 24.9595 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(96, 80, 137) }
```

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

```
.background{ background-color: rgb(96, 80,  
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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