

Converting Colors

XYZ(13.1611, 12.2893, 24.6003)

Have a look what the booklet for
XYZ(13.1611, 12.2893, 24.6003)
contains.

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Color

**XYZ(13.1847, 12.3666,
24.6138)**

Conversions

Conversions Part 1

Format	Color
Hex	5F5F87
RGB	95, 95, 135
RGB Percent	37%, 37%, 53%
CMY	0.6274, 0.6274, 0.4706
CMYK	0.30, 0.30, 0.00, 0.47
HSL	240°, 17%, 45%
HSV	240°, 30%, 53%
XYZ	13.1847, 12.3666, 24.6138
YIQ	99.5600, -12.8400, 12.4400

Conversions

Conversions Part 2

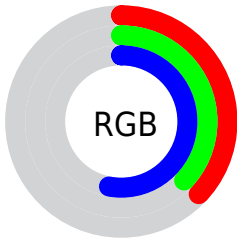
Format	Color
R_{YB}	95, 95, 135
Decimal	6250375
CIE _{Lab}	41.79, 9.72, -22.19
CIE _{LCh}	42, 24.228, 293.658
Yxy	12.3666, 0.2628, 0.2465
Android (android.graphics.Color)	4284440455 (0xFF5F5F87)
YUV	99.5600, 17.4719, -3.9991
Hunter-Lab	35.1662, 5.3834, -16.8824

Details

The XYZ color **13.1847, 12.3666, 24.6138** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **20.7214, 23.3052, 14.2331**, and the grayscale version is **11.9610, 12.5839, 13.7039**.

A 20% lighter version of the original color is **31.0566, 29.9926, 51.7293**, and **3.9103, 3.4568, 9.0555** is the 20% darker color. If you saturate the color by 10%, you get **10.7896, 9.4807, 24.1832**, and if you desaturate by 10%, it is **16.0344, 15.8003, 25.1266**.

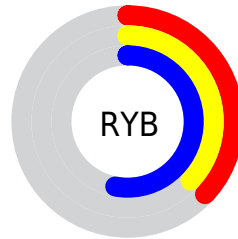
Distribution



Red (37%)

Green (37%)

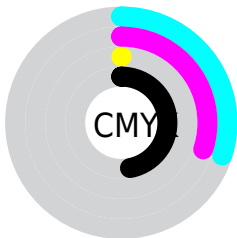
Blue (53%)



Red (37%)

Yellow (37%)

Blue (53%)

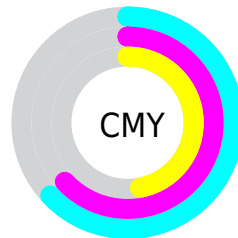


Cyan (30%)

Magenta (30%)

Yellow (0%)

Black (47%)



Cyan (63%)

Magenta (63%)

Yellow (47%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.1847, 12.3666, 24.6138 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 13.1847, 12.3666, 24.6138 by changing the saturation by 10% instead.

■ 13.1847, 12.3666,
24.6138

■ 13.1847, 12.3666,
24.6138

205.7118,
206.8174, 289.2950

■ 7.6337, 6.9939,
15.5732

■ 31.2337, 30.1611,
51.9863

■ 3.9113, 3.4583,
9.0716

■ 44.4625, 43.3516,
71.1553

■ 1.6521, 1.3754,
4.6904

■ 60.9812, 59.9168,
94.5374

■ 0.4260, 0.1985,
2.0113

■ 81.1552, 80.2411,
122.5513

■ 0.0000, 0.0000,
0.5622

105.3499,
104.7089, 155.6155

■ 0.0000, 0.0000,
0.0000

133.9307,

133.7047, 194.1485

167.2629,
167.6127, 238.5688

■ 13.1847, 12.3666,
24.6138

■ 13.1847, 12.3666,
24.6138

■ 10.7896, 9.4807,
24.1832

■ 16.0344, 15.8003,
25.1266

■ 8.8245, 7.1128,
23.8297

■ 19.3593, 19.8066,
25.7246

■ 7.2643, 5.2329,
23.5491

■ 23.1800, 24.4103,
26.4119

■ 6.0808, 3.8068,
23.3362

■ 27.5157, 29.6345,
27.1917

■ 5.2421, 2.7963,
23.1854

■ 32.3846, 35.5011,
28.0675

■ 4.7114, 2.1568,
23.0899

■ 37.8038, 42.0309,
29.0422

■ 4.3850, 1.7634,
23.0312

■ 43.7900, 49.2438,
30.1190

■ 4.3732, 1.7493,
23.0291

■ 50.3587, 57.1587,
31.3005

■ 57.5253, 65.7939,
32.5895

Harmonies

Analogous

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



11.3793, 12.3666, 25.7759



13.1847, 12.3666, 24.6138



14.7386, 12.3666, 20.1645

Triad

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



13.1847, 12.3666, 24.6138



13.9058, 12.3666, 7.0019



8.6644, 12.3666, 12.4091

Complementary

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



13.1847, 12.3666, 24.6138



20.7214, 23.3052, 14.2331

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.



9.2024, 12.3666, 8.4431



13.1847, 12.3666, 24.6138



12.1370, 12.3666, 5.8723

Square

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



13.1847, 12.3666, 24.6138



15.1835, 12.3666, 9.8958



10.4309, 12.3666, 6.3236



8.8843, 12.3666, 17.8035

Rectangle

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



13.1847, 12.3666, 24.6138



15.3617, 12.3666, 16.4220



10.4309, 12.3666, 6.3236



8.7607, 12.3666, 10.8864

Sweetspot

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



13.1851, 12.3671, 24.6141



34.9423, 35.7994, 46.1167



17.7100, 21.4917, 25.8915



7.9015, 8.0609, 10.6458



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.



13.1851, 12.3671, 24.6141



20.4528, 18.3405, 43.5105



15.4486, 13.5339, 24.7200



4.4345, 4.5446, 5.8442



4.0326, 1.6131, 21.2355



0.0140, 0.0056, 0.0736

Inverse Universe

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



16.1498, 14.1619, 12.7093



26.7133, 22.1307, 18.3713



17.8881, 21.8447, 14.1005



4.6726, 4.6887, 4.8881



9.2136, 4.7498, 0.4312



0.0319, 0.0165, 0.0015

Previews

White Background



This preview shows how the XYZ color 13.1847, 12.3666, 24.6138 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 13.1847, 12.3666, 24.6138 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 13.1847, 12.3666, 24.6138

Background



This preview shows how black text looks on a background with the XYZ color 13.1847, 12.3666, 24.6138.



This preview shows how white text looks on a background with the XYZ color 13.1847, 12.3666,

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

13.1847, 12.3666, 24.6138

Protanopia

12.7205, 12.3818, 25.3864

Deuteranopia

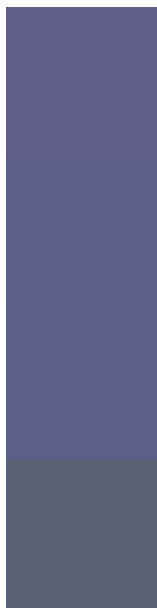
12.6724, 12.3734, 24.6421



Tritanopia

11.3838, 12.3209, 15.9655

Trichromacy



Original Color

13.1847, 12.3666, 24.6138

Protanomaly

12.8433, 12.3170, 24.9931

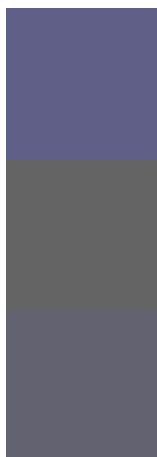
Deuteranomaly

12.8704, 12.3392, 24.6250

Tritanomaly

11.9521, 12.2675, 18.8775

Monochromacy



Original Color

13.1847, 12.3666, 24.6138

Achromatopsia

12.1130, 12.7438, 13.8780

Achromatomaly

12.3853, 12.5243, 17.3874

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.1847, 12.3666, 24.6138 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(95, 95, 135) looks like.

```
.text, #text, p{  
    color:rgb(95, 95, 135)  
}
```

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(95, 95, 135) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(95, 95, 135) }
```

Border

The CSS property to change the border of an element to XYZ 13.1847, 12.3666, 24.6138 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(95, 95, 135) }
```


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

```
.border{ border-color:rgb(95, 95, 135) }
```

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

Here you see how a box with a 4 pixel `rgb(95, 95, 135)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(95, 95, 135); -webkit-box-  
shadow:4px 4px 4px 4px rgb(95, 95, 135);  
box-shadow:4px 4px 4px 4px rgb(95, 95,  
135) }
```

Background

The CSS property to change the background color of an element to XYZ 13.1847, 12.3666, 24.6138 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(95, 95, 135) }
```

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

```
.background{ background-color: rgb(95, 95,  
135) }
```

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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