

Converting Colors

XYZ(13.1574, 11.1117, 39.5721)

Have a look what the booklet for
XYZ(13.1574, 11.1117, 39.5721)
contains.

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Color

**XYZ(13.1293, 11.1107,
39.4828)**

Conversions

Conversions Part 1

Format	Color
Hex	4458AA
RGB	68, 88, 170
RGB Percent	27%, 35%, 67%
CMY	0.7333, 0.6549, 0.3333
CMYK	0.60, 0.48, 0.00, 0.33
HSL	228°, 43%, 47%
HSV	228°, 60%, 67%
XYZ	13.1293, 11.1107, 39.4828
YIQ	91.3680, -38.2420, 21.2620

Conversions

Conversions Part 2

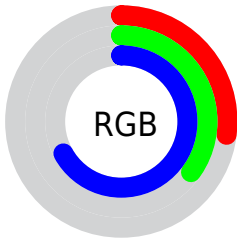
Format	Color
R _{YB}	68, 85, 170
Decimal	4479146
CIE _{Lab}	39.77, 18.09, -46.47
CIE _{LCh}	40, 49.869, 291.275
Y _{xy}	11.1107, 0.2060, 0.1744
Android (android.graphics.Color)	4282669226 (0xFF4458AA)
YUV	91.3680, 38.7656, -20.4937
Hunter-Lab	33.3327, 11.9764, -46.8965

Details

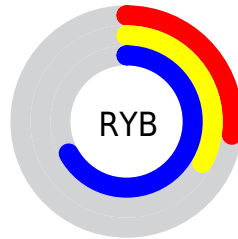
The XYZ color **13.1293, 11.1107, 39.4828** is a dark color, and the websafe version is hex **3366CC**. A complement of this color would be **28.5282, 30.7774, 9.9066**, and the grayscale version is **9.9488, 10.4669, 11.3985**.

A 20% lighter version of the original color is **31.2734, 28.0279, 75.7131**, and **4.0748, 3.0121, 17.1963** is the 20% darker color. If you saturate the color by 10%, you get **11.0924, 8.5485, 39.0959**, and if you desaturate by 10%, it is **15.7213, 14.2715, 39.9565**.

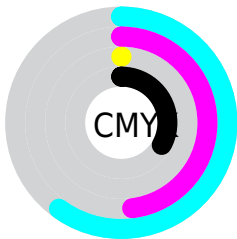
Distribution



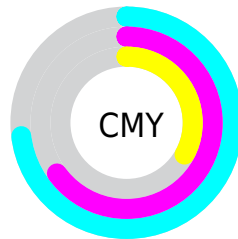
- Red (27%)
- Green (35%)
- Blue (67%)



- Red (27%)
- Yellow (33%)
- Blue (67%)



- Cyan (60%)
- Magenta (48%)
- Yellow (0%)
- Black (33%)



- Cyan (73%)
- Magenta (65%)
- Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.1293, 11.1107, 39.4828 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 13.1293, 11.1107, 39.4828 by changing the saturation by 10% instead.

■ 13.1293, 11.1107,
39.4828

■ 13.1293, 11.1107,
39.4828

205.3656,
198.4255, 359.4259

■ 7.5953, 6.1413,
26.8248

■ 31.1352, 27.8647,
75.6037

■ 3.8867, 2.9312,
17.2104

■ 44.3378, 40.4181,
99.9038

■ 1.6382, 1.0959,
10.2211

■ 60.8273, 56.2683,
128.9216

■ 0.4171, 0.0000,
5.4383

■ 80.9690, 75.7998,
163.0757

■ 0.0000, 0.0000,
2.4434

■ 105.1284, 99.3968,
202.7846

■ 0.0000, 0.0000,
0.8100

133.6707,

■ 0.0000, 0.0000,

127.4438, 248.4669

0.0000

166.9613,
160.3253, 300.5412

■ 13.1293, 11.1107,
39.4828

■ 13.1293, 11.1107,
39.4828

■ 11.0924, 8.5485,
39.0959

■ 15.7213, 14.2715,
39.9565

■ 9.5666, 6.5445,
38.7895

■ 18.9048, 18.0655,
40.5210

■ 8.5035, 5.0545,
38.5579

■ 22.7147, 22.5258,
41.1812

■ 7.8089, 4.0086,
38.3926

■ 27.1828, 27.6828,
41.9411

■ 7.8088, 4.0084,
38.3926

■ 32.3386, 33.5652,
42.8048

■ 38.2098, 40.1998,
43.7759

■ 44.8227, 47.6122,
44.8581

■ 52.2021, 55.8267,
46.0547

■ 60.3717, 64.8665,
47.3690

Harmonies

Analogous

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



9.5944, 11.1107, 41.8727



13.1293, 11.1107, 39.4828



16.5629, 11.1107, 28.1080

Triad

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



13.1293, 11.1107, 39.4828



15.2290, 11.1107, 2.5529



5.3048, 11.1107, 9.4609

Complementary

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



13.1293, 11.1107, 39.4828



28.5282, 30.7774, 9.9066

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.



6.2178, 11.1107, 3.7293



13.1293, 11.1107, 39.4828



11.5892, 11.1107, 1.4002

Square

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



13.1293, 11.1107, 39.4828



17.9457, 11.1107, 6.4723



8.3505, 11.1107, 1.6686



5.5433, 11.1107, 20.2938

Rectangle

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



13.1293, 11.1107, 39.4828



18.0885, 11.1107, 19.2028



8.3505, 11.1107, 1.6686



5.4785, 11.1107, 7.0049

Sweetspot

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



13.1298, 11.1110, 39.4831



50.7950, 51.9178, 76.3458



22.2320, 32.1679, 33.7234



10.7726, 10.9415, 16.9318



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123

Same Dimension

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



13.1298, 11.1110, 39.4831



19.1113, 14.1989, 70.7353



14.4255, 9.6675, 39.1362



7.2465, 7.5299, 9.4898



5.7767, 3.0135, 28.2527



0.1733, 0.1388, 0.6983

Inverse Universe

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



20.4066, 13.3855, 10.7409



33.8024, 19.7620, 12.4899



26.1330, 34.6907, 10.7882



7.5890, 7.5655, 8.1529



12.4164, 6.3753, 1.7383



0.3186, 0.1617, 0.1293

Previews

White Background



This preview shows how the XYZ color 13.1293, 11.1107, 39.4828 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 13.1293, 11.1107, 39.4828 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 13.1293, 11.1107, 39.4828

Background



This preview shows how black text looks on a background with the XYZ color 13.1293, 11.1107, 39.4828.



This preview shows how white text looks on a background with the XYZ color 13.1293, 11.1107,

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

13.1293, 11.1107, 39.4828

Protanopia

12.6492, 11.2031, 41.0309

Deuteranopia

11.2981, 11.0827, 38.5895



Tritanopia

8.4803, 11.0999, 16.4474

Trichromacy



Original Color

13.1293, 11.1107, 39.4828

Protanomaly

12.7899, 11.1607, 40.5099

Deuteranomaly

11.5842, 10.8259, 39.0152

Tritanomaly

9.8048, 10.9191, 23.4206

Monochromacy



Original Color

13.1293, 11.1107, 39.4828

Achromatopsia

9.9438, 10.4616, 11.3927

Achromatomaly

10.6136, 10.5074, 19.2380

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.1293, 11.1107, 39.4828 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(68, 88, 170)` looks like.

```
.text, #text, p{  
    color:rgb(68, 88, 170)  
}
```

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(68, 88, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(68, 88, 170) }
```

Border

The CSS property to change the border of an element to XYZ 13.1293, 11.1107, 39.4828 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(68, 88, 170) }
```


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

```
.border{ border-color:rgb(68, 88, 170) }
```

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

Here you see how a box with a 4 pixel rgb(68, 88, 170) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(68, 88, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(68, 88, 170);  
box-shadow:4px 4px 4px 4px rgb(68, 88,  
170) }
```

Background

The CSS property to change the background color of an element to XYZ 13.1293, 11.1107, 39.4828 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(68, 88, 170) }
```

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

```
.background{ background-color: rgb(68, 88,  
170) }
```

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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