

Converting Colors

XYZ(13.1259, 14.8598, 38.8957)

Have a look what the booklet for
XYZ(13.1259, 14.8598, 38.8957)
contains.

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Color

**XYZ(13.1175, 14.8892,
38.7417)**

Conversions

Conversions Part 1

Format	Color
Hex	0A72A7
RGB	10, 114, 167
RGB Percent	4%, 45%, 65%
CMY	0.9607, 0.5529, 0.3451
CMYK	0.94, 0.32, 0.00, 0.35
HSL	200°, 89%, 35%
HSV	200°, 94%, 65%
XYZ	13.1175, 14.8892, 38.7417
YIQ	88.9460, -78.9970, -5.5650

Conversions

Conversions Part 2

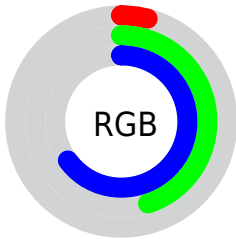
Format	Color
RYB	10, 73, 167
Decimal	684711
CIELab	45.48, -6.62, -35.72
CIELCh	45, 36.326, 259.500
Yxy	14.8892, 0.1965, 0.2231
Android (android.graphics.Color)	4278874791 (0xFF0A72A7)
YUV	88.9460, 38.4806, -69.2356
Hunter-Lab	38.5865, -6.8453, -32.5179

Details

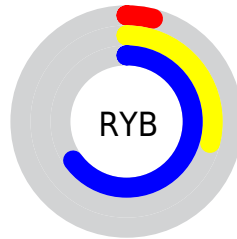
The XYZ color **13.1175, 14.8892, 38.7417** is a dark color, and the websafe version is hex **006699**. A complement of this color would be **17.7702, 11.7952, 1.6280**, and the grayscale version is **9.4156, 9.9059, 10.7875**.

A 20% lighter version of the original color is **31.1354, 34.7705, 74.1776**, and **5.0427, 5.1342, 16.9449** is the 20% darker color. If you saturate the color by 10%, you get **12.6178, 14.0755, 38.6113**, and if you desaturate by 10%, it is **14.0931, 16.3658, 38.9756**.

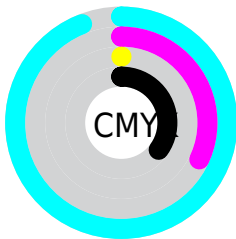
Distribution



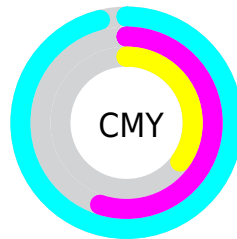
- Red (4%)
- Green (45%)
- Blue (65%)



- Red (4%)
- Yellow (29%)
- Blue (65%)



- Cyan (94%)
- Magenta (32%)
- Yellow (0%)
- Black (35%)



- Cyan (96%)
- Magenta (55%)
- Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.1175, 14.8892, 38.7417 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 13.1175, 14.8892, 38.7417 by changing the saturation by 10% instead.

■ 13.1175, 14.8892,
38.7417

■ 13.1175, 14.8892,
38.7417

205.2918,
222.6946, 356.1842

■ 7.5871, 8.7417,
26.2526

■ 31.1142, 34.6587,
74.4595

■ 3.8814, 4.5731,
16.7852

■ 44.3113, 49.0494,
98.5253

■ 1.6353, 1.9990,
9.9211

■ 60.7945, 66.9567,
127.2871

■ 0.4152, 0.6069,
5.2418

■ 80.9293, 88.7649,
161.1633

■ 0.0000, 0.0000,
2.3286

■ 105.0811,
114.8583, 200.5726

■ 0.0000, 0.0000,
0.7472

■ 133.6152,

■ 0.0000, 0.0000,

145.6215, 245.9335

0.0000

166.8970,
181.4388, 297.6645

■ 13.1175, 14.8892,
38.7417

■ 13.1175, 14.8892,
38.7417

■ 12.6178, 14.0755,
38.6113

■ 14.0931, 16.3658,
38.9756

■ 15.3582, 18.0506,
39.2341

■ 16.9512, 19.9648,
39.5196

■ 18.9041, 22.1256,
39.8338

■ 21.2444, 24.5483,
40.1781

■ 23.9971, 27.2465,
40.5538

■ 27.1847, 30.2330,
40.9622

■ 30.8281, 33.5192,
41.4045

■ 34.9469, 37.1162,
41.8817

Harmonies

Analogous

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



10.6987, 14.8892, 32.4749



13.1175, 14.8892, 38.7417



16.1846, 14.8892, 37.5443

Triad

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



13.1175, 14.8892, 38.7417



20.3769, 14.8892, 11.2604



10.1717, 14.8892, 7.6179

Complementary

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



13.1175, 14.8892, 38.7417



17.7702, 11.7952, 1.6280

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.



12.2966, 14.8892, 5.0296



13.1175, 14.8892, 38.7417



18.2777, 14.8892, 6.5539

Square

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



13.1175, 14.8892, 38.7417



20.6798, 14.8892, 19.4426



15.2390, 14.8892, 4.7257



9.1662, 14.8892, 13.3603

Rectangle

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



13.1175, 14.8892, 38.7417



18.1856, 14.8892, 32.7727



15.2390, 14.8892, 4.7257



10.7634, 14.8892, 6.4522

Sweetspot

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



13.1181, 14.8897, 38.7421



46.0123, 51.6677, 73.0230



14.8234, 28.0540, 9.2416



9.7760, 11.0712, 16.2738



80.6108, 84.8088, 92.3568



14.7206, 15.4872, 16.8656

Same Dimension

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



13.1181, 14.8897, 38.7421



22.4001, 24.8131, 69.0841



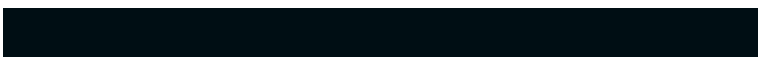
7.7372, 4.1279, 36.9484



7.5310, 8.0990, 9.5847



9.7018, 10.8638, 29.5611



0.2804, 0.3531, 0.7340

Inverse Universe

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



19.0826, 9.6481, 16.7765



33.5422, 16.7139, 27.6716



25.4924, 27.2395, 4.2020



7.7326, 7.6229, 8.9093



14.3976, 7.1678, 12.1713



0.3727, 0.1834, 0.4141

Previews

White Background



This preview shows how the XYZ color 13.1175, 14.8892, 38.7417 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 13.1175, 14.8892, 38.7417 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

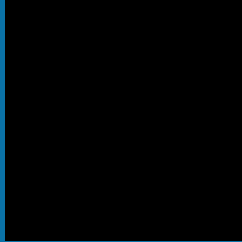
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 13.1175, 14.8892, 38.7417

Background



This preview shows how black text looks on a background with the XYZ color 13.1175, 14.8892, 38.7417.

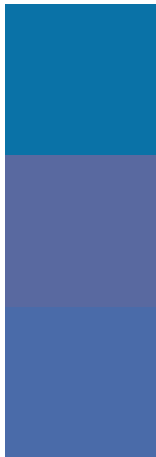


This preview shows how white text looks on a background with the XYZ color 13.1175, 14.8892,

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

13.1175, 14.8892, 38.7417

Protanopia

15.5166, 14.7651, 35.2898

Deuteranopia

15.2432, 14.8358, 39.5963



Tritanopia

10.4931, 14.7522, 22.7165

Trichromacy



Original Color

13.1175, 14.8892, 38.7417

Protanomaly

13.8369, 14.3301, 36.6870

Deuteranomaly

14.0091, 14.6828, 39.1415

Tritanomaly

11.2938, 14.7014, 27.8336

Monochromacy



Original Color

13.1175, 14.8892, 38.7417

Achromatopsia

9.4954, 9.9899, 10.8790

Achromatomaly

9.4420, 10.9804, 18.4514

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.1175, 14.8892, 38.7417 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(10, 114, 167)` looks like.

```
.text, #text, p{  
    color:rgb(10, 114, 167)  
}
```

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(10, 114, 167) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(10, 114, 167) }
```

Border

The CSS property to change the border of an element to XYZ 13.1175, 14.8892, 38.7417 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(10, 114, 167) }
```


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

```
.border{ border-color:rgb(10, 114, 167) }
```

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

Here you see how a box with a 4 pixel `rgb(10, 114, 167)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(10, 114, 167); -webkit-box-  
shadow:4px 4px 4px 4px rgb(10, 114, 167);  
box-shadow:4px 4px 4px 4px rgb(10, 114,  
167) }
```

Background

The CSS property to change the background color of an element to XYZ 13.1175, 14.8892, 38.7417 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(10, 114, 167) }
```

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

```
.background{ background-color: rgb(10, 114,  
167) }
```

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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