

Converting Colors

XYZ(9.7808, 12.9677, 0.6280)

Have a look what the booklet for
XYZ(9.7808, 12.9677, 0.6280)
contains.

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Color

**XYZ(10.0819, 13.1580,
2.0084)**

Conversions

Conversions Part 1

Format	Color
Hex	5F6C00
RGB	95, 108, 0
RGB Percent	37%, 42%, 0%
CMY	0.6275, 0.5765, 1.0000
CMYK	0.12, 0.00, 1.00, 0.58
HSL	67°, 100%, 21%
HSV	67°, 100%, 42%
XYZ	10.0819, 13.1580, 2.0084
YIQ	91.8010, 26.9200, -36.3440

Conversions

Conversions Part 2

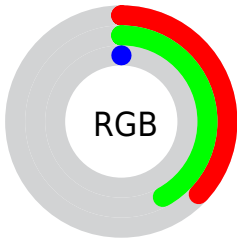
Format	Color
RYB	0, 108, 13
Decimal	6253568
CIELab	43.00, -17.63, 48.88
CIELCh	43, 51.962, 109.829
Yxy	13.1580, 0.3993, 0.5211
Android (android.graphics.Color)	4284443648 (0xFF5F6C00)
YUV	91.8010, -45.2579, 2.8055
Hunter-Lab	36.2740, -13.8675, 22.1090

Details

The XYZ color **10.0819, 13.1580, 2.0084** is a dark color, and the websafe version is hex **666600**. A complement of this color would be **2.8731, 1.1686, 14.2622**, and the grayscale version is **10.2238, 10.7563, 11.7136**.

A 20% lighter version of the original color is **25.6082, 31.5121, 9.0077**, and **2.7074, 3.8730, 0.6049** is the 20% darker color. If you saturate the color by 10%, you get **10.0821, 13.1585, 2.0085**, and if you desaturate by 10%, it is **10.2777, 13.2525, 2.3271**.

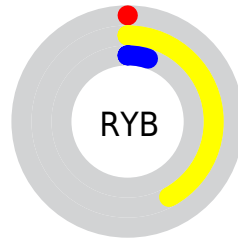
Distribution



Red (37%)

Green (42%)

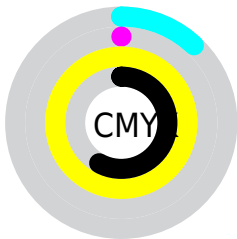
Blue (0%)



Red (0%)

Yellow (42%)

Blue (5%)

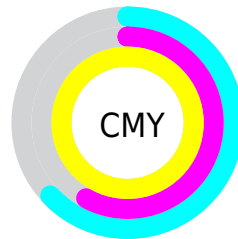


Cyan (12%)

Magenta (0%)

Yellow (100%)

Black (58%)



Cyan (63%)

Magenta (58%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 10.0819, 13.1580, 2.0084 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 10.0819, 13.1580, 2.0084 by changing the saturation by 10% instead.

■ 10.0819, 13.1580,
2.0084

■ 10.0819, 13.1580,
2.0084

■ 185.2970,
211.9278, 122.5071

■ 5.5160, 7.5374,
0.5604

■ 25.5977, 31.5873,
9.0638

■ 2.5909, 3.8004,
0.0000

■ 37.2783, 45.1649,
15.5620

■ 0.9413, 1.5626,
0.0000

■ 52.0612, 62.1636,
24.5986

■ 0.0000, 0.3322,
0.0000

■ 70.3117, 82.9678,
36.5922


■ 0.0000, 0.0000,
0.0000


■ 92.3952, 107.9620,
51.9613


■ 118.6770,


137.5304, 71.1245


 149.5225,
172.0576, 94.5002


 10.0819, 13.1580,
2.0084


 10.0819, 13.1580,
2.0084


 10.0821, 13.1585,
2.0085

 10.2777, 13.2525,
2.3271

 10.4979, 13.3566,
2.7641

 10.7639, 13.4793,
3.4302

 11.0806, 13.6225,
4.3509

 11.4521, 13.7879,
5.5488

■ 11.8823, 13.9770,
7.0436

■ 12.3746, 14.1913,
8.8534

■ 12.9322, 14.4319,
10.9948

■ 13.5581, 14.7001,
13.4833

Harmonies

Analogous

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



13.9094, 13.1580, 1.7611



10.0819, 13.1580, 2.0084



7.5155, 13.1580, 4.3185

Triad

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



10.0819, 13.1580, 2.0084



8.1843, 13.1580, 38.5033



21.6711, 13.1580, 18.5638

Complementary

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



10.0819, 13.1580, 2.0084



2.8731, 1.1686, 14.2622

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.



19.3263, 13.1580, 33.6683



10.0819, 13.1580, 2.0084



11.2009, 13.1580, 48.6227

Square

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



10.0819, 13.1580, 2.0084



6.5921, 13.1580, 23.1394



15.2911, 13.1580, 46.4938



21.1927, 13.1580, 8.0952

Rectangle

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



10.0819, 13.1580, 2.0084



6.6023, 13.1580, 8.0115



15.2911, 13.1580, 46.4938



21.1705, 13.1580, 23.3090

Sweetspot

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



10.0822, 13.1586, 2.0087



21.6489, 24.8807, 15.2601



6.3237, 3.4662, 0.3360



5.1712, 5.9923, 3.4375



54.2243, 57.0482, 62.1254



6.0569, 6.3724, 6.9395

Same Dimension

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



10.0822, 13.1586, 2.0087



17.6352, 23.0672, 3.5229



6.2936, 11.2055, 1.8314



3.2991, 3.5660, 3.3319



12.0102, 15.6867, 2.3948



60.7121, 79.6804, 12.1800

Inverse Universe

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



2.8731, 1.1686, 14.2622



4.9812, 2.0190, 25.0349



4.9947, 2.2623, 14.3615



2.9792, 3.0410, 3.8648



3.4116, 1.3858, 17.0099



16.9711, 6.8485, 86.6536

Previews

White Background



This preview shows how the XYZ color 10.0819, 13.1580, 2.0084 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 10.0819, 13.1580, 2.0084 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 10.0819, 13.1580, 2.0084

Background



This preview shows how black text looks on a background with the XYZ color 10.0819, 13.1580, 2.0084.



This preview shows how white text looks on a background with the XYZ color 10.0819, 13.1580,

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

10.0819, 13.1580, 2.0084

Protanopia

11.8216, 13.1476, 1.9147

Deuteranopia

13.1941, 12.9986, 2.3858



Tritanopia

12.8575, 13.0806, 16.0345

Trichromacy



Original Color

10.0819, 13.1580, 2.0084

Protanomaly

11.1347, 13.0888, 1.9395

Deuteranomaly

11.8200, 12.8515, 2.1742

Tritanomaly

11.1800, 12.8395, 7.5192

Monochromacy



Original Color

10.0819, 13.1580, 2.0084

Achromatopsia

10.1725, 10.7023, 11.6548

Achromatomaly

9.6713, 11.3783, 5.8242

CSS Examples

Text

The CSS property to change the color of the text to XYZ 10.0819, 13.1580, 2.0084 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, 108, 0)` looks like.

```
.text, #text, p{  
    color:rgb(95, 108, 0)  
}
```

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, 108, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(95, 108, 0) }
```

Border

The CSS property to change the border of an element to XYZ 10.0819, 13.1580, 2.0084 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, 108, 0) }
```


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

```
.border{ border-color:rgb(95, 108, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(95, 108, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(95, 108, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(95, 108, 0);  
box-shadow:4px 4px 4px 4px rgb(95, 108, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 10.0819, 13.1580, 2.0084 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(95, 108, 0) }
```

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

```
.background{ background-color: rgb(95, 108,  
0) }
```

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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