

Converting Colors

XYZ(20.1201, 13.1998, 1.8958)

Have a look what the booklet for
XYZ(20.1201, 13.1998, 1.8958)
contains.

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Color

**XYZ(20.1010, 13.1594,
1.8960)**

Conversions

Conversions Part 1

Format	Color
Hex	B1410E
RGB	177, 65, 14
RGB Percent	69%, 25%, 5%
CMY	0.3059, 0.7451, 0.9451
CMYK	0.00, 0.63, 0.92, 0.31
HSL	19°, 85%, 37%
HSV	19°, 92%, 69%
XYZ	20.1010, 13.1594, 1.8960
YIQ	92.6740, 83.1230, 7.8830

Conversions

Conversions Part 2

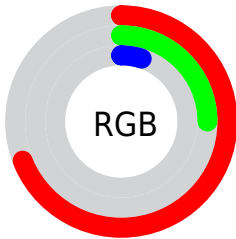
Format	Color
R_{YB}	177, 88, 14
Decimal	11616526
CIE _{Lab}	43.00, 43.57, 49.89
CIE _{LCh}	43, 66.239, 48.866
Yxy	13.1594, 0.5718, 0.3743
Android (android.graphics.Color)	4289806606 (0xFFB1410E)
YUV	92.6740, -38.7863, 73.9539
Hunter-Lab	36.2759, 35.4267, 22.2943

Details

The XYZ color **20.1010, 13.1594, 1.8960** is a dark color, and the websafe version is hex **993300**. A complement of this color would be **15.5768, 18.1876, 44.2842**, and the grayscale version is **10.4030, 10.9447, 11.9188**.

A 20% lighter version of the original color is **42.9120, 31.4550, 8.8107**, and **7.2567, 3.8215, 0.3552** is the 20% darker color. If you saturate the color by 10%, you get **19.5160, 12.1164, 1.3101**, and if you desaturate by 10%, it is **21.0536, 14.7810, 3.0887**.

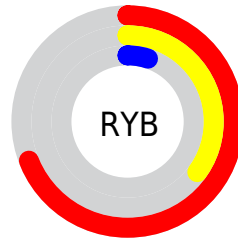
Distribution



Red (69%)

Green (25%)

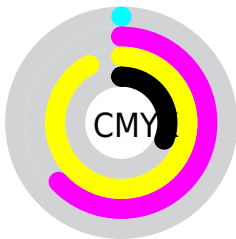
Blue (5%)



Red (69%)

Yellow (35%)

Blue (5%)

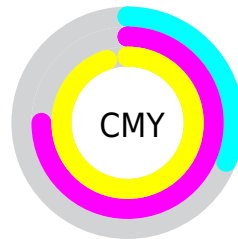


Cyan (0%)

Magenta (63%)

Yellow (92%)

Black (31%)



Cyan (31%)


Magenta (75%)


Yellow (95%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.1010, 13.1594, 1.8960 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 20.1010, 13.1594, 1.8960 by changing the saturation by 10% instead.


 20.1010, 13.1594,
1.8960


 20.1010, 13.1594,
1.8960


245.2845,
211.9367, 120.7404


 12.5772, 7.5384,
0.4902


 43.0891, 31.5899,
8.7545


 7.2130, 3.8010,
0.0000


 59.2841, 45.1681,
15.1177


 3.6432, 1.5629,
0.0000

 79.1002, 62.1676,
23.9949

 1.5023, 0.3324,
0.0000

 102.9027, 82.9726,
35.8047


 0.3274, 0.0000,
0.0000


 131.0571,
107.9677, 50.9656


 0.0000, 0.0000,
0.0000


 163.9286,


137.5371, 69.8962


 201.8826,
172.0653, 93.0149


 20.1010, 13.1594,
1.8960


 20.1010, 13.1594,
1.8960


 19.5160, 12.1164,
1.3101

 21.0536, 14.7810,
3.0887

 22.2940, 16.7719,
5.0126

 23.8489, 19.1564,
7.7666

 25.7412, 21.9560,
11.4341

 27.9915, 25.1903,
16.0878

■ 30.6184, 28.8776,
21.7933

■ 33.6395, 33.0351,
28.6104

■ 37.0709, 37.6791,
36.5943

■ 40.9279, 42.8251,
45.7966

Harmonies

Analogous

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



24.2222, 13.1594, 7.0498



20.1010, 13.1594, 1.8960



14.4914, 13.1594, 0.6397

Triad

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



20.1010, 13.1594, 1.8960



5.1603, 13.1594, 9.5745



15.9413, 13.1594, 60.4852

Complementary

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



20.1010, 13.1594, 1.8960



15.5768, 18.1876, 44.2842

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.



10.7137, 13.1594, 63.0725



20.1010, 13.1594, 1.8960



5.3516, 13.1594, 25.4179

Square

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



20.1010, 13.1594, 1.8960



6.4964, 13.1594, 2.6768



7.1172, 13.1594, 47.4374



21.4067, 13.1594, 41.7531

Rectangle

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



20.1010, 13.1594, 1.8960



11.0611, 13.1594, 0.6078



7.1172, 13.1594, 47.4374



14.0751, 13.1594, 63.5908

Sweetspot

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



20.1013, 13.1602, 1.8962



56.7083, 54.3097, 43.2059



22.1912, 11.2223, 21.4530



11.8178, 11.1163, 8.3121



84.5950, 89.0005, 96.9216



16.2198, 17.0645, 18.5832

Same Dimension

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



20.1013, 13.1602, 1.8962



34.7784, 21.3514, 2.2882



28.2445, 29.4465, 4.6106



8.7061, 8.9248, 8.9163



14.1888, 8.8762, 0.9654



0.5000, 0.3863, 0.0482

Inverse Universe

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



15.5768, 18.1876, 44.2842



26.3858, 30.0311, 78.9012



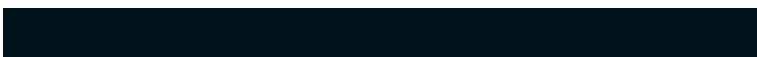
9.1175, 5.2689, 42.1311



8.5139, 9.1739, 10.8283



10.8138, 12.4280, 31.9659



0.3895, 0.4896, 1.0222

Previews

White Background



This preview shows how the XYZ color 20.1010, 13.1594, 1.8960 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



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 20.1010, 13.1594, 1.8960

Background



This preview shows how black text looks on a background with the XYZ color 20.1010, 13.1594, 1.8960.



This preview shows how white text looks on a background with the XYZ color 20.1010, 13.1594,

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

20.1010, 13.1594, 1.8960

Protanopia

12.0853, 13.4113, 2.8158

Deuteranopia

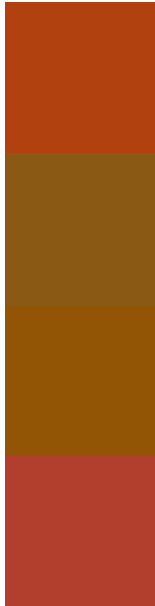
13.3280, 13.2165, 1.8486



Tritanopia

20.9543, 13.1726, 6.2886

Trichromacy



Original Color

20.1010, 13.1594, 1.8960

Protanomaly

14.1799, 12.5985, 2.3462

Deuteranomaly

15.1300, 12.6189, 1.7818

Tritanomaly

20.5759, 13.1075, 4.0303

Monochromacy



Original Color

20.1010, 13.1594, 1.8960

Achromatopsia

10.4043, 10.9462, 11.9204

Achromatomaly

12.3309, 10.8418, 6.2933

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.1010, 13.1594, 1.8960 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(177, 65, 14)` looks like.

```
.text, #text, p{  
    color:rgb(177, 65, 14)  
}
```

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(177, 65, 14) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 65, 14) }
```

Border

The CSS property to change the border of an element to XYZ 20.1010, 13.1594, 1.8960 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(177, 65, 14) }
```


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

```
.border{ border-color:rgb(177, 65, 14) }
```

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

Here you see how a box with a 4 pixel rgb(177, 65, 14) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(177, 65, 14); -webkit-box-  
shadow:4px 4px 4px 4px rgb(177, 65, 14);  
box-shadow:4px 4px 4px 4px rgb(177, 65,  
14) }
```

Background

The CSS property to change the background color of an element to XYZ 20.1010, 13.1594, 1.8960 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(177, 65, 14) }
```

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

```
.background{ background-color: rgb(177, 65,  
14) }
```

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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