

Converting Colors

XYZ(20.8593, 10.4653, 14.0175)

Have a look what the booklet for
XYZ(20.8593, 10.4653, 14.0175)
contains.

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Color

**XYZ(20.8588, 10.4645,
14.0172)**

Conversions

Conversions Part 1

Format	Color
Hex	B20068
RGB	178, 0, 104
RGB Percent	70%, 0%, 41%
CMY	0.3020, 0.9999, 0.5922
CMYK	0.00, 1.00, 0.42, 0.30
HSL	325°, 100%, 35%
HSV	325°, 100%, 70%
XYZ	20.8588, 10.4645, 14.0172
YIQ	65.0780, 72.7040, 70.0800

Conversions

Conversions Part 2

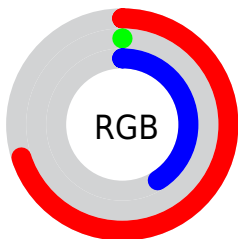
Format	Color
R_{YB}	178, 0, 104
Decimal	11665512
CIE _{Lab}	38.66, 65.97, -6.74
CIE _{LCh}	39, 66.317, 354.168
Yxy	10.4645, 0.4600, 0.2308
Android (android.graphics.Color)	4289855592 (0xFFB20068)
YUV	65.0780, 19.1885, 99.0326
Hunter-Lab	32.3489, 58.4876, -3.0469

Details

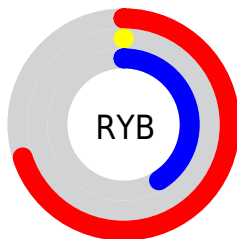
The XYZ color **20.8588, 10.4645, 14.0172** is a dark color, and the websafe version is hex **990066**. A complement of this color would be **17.1578, 32.3357, 11.8210**, and the grayscale version is **5.0028, 5.2633, 5.7317**.

A 20% lighter version of the original color is **44.1936, 26.5783, 33.8112**, and **8.3463, 4.2173, 4.2450** is the 20% darker color. If you saturate the color by 10%, you get **20.8581, 10.4642, 14.0138**, and if you desaturate by 10%, it is **21.4650, 11.0487, 16.1564**.

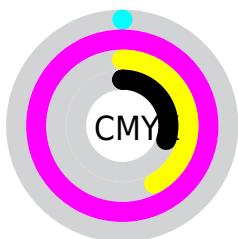
Distribution



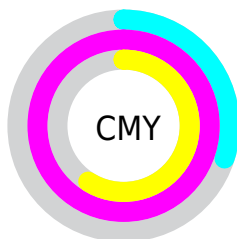
- Red (70%)
- Green (0%)
- Blue (41%)



- Red (70%)
- Yellow (0%)
- Blue (41%)



- Cyan (0%)
- Magenta (100%)
- Yellow (42%)
- Black (30%)





- Cyan (30%)
- Magenta (100%)
- Yellow (59%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.8588, 10.4645, 14.0172 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 20.8588, 10.4645, 14.0172 by changing the saturation by 10% instead.

 20.8588, 10.4645,
14.0172


 20.8588, 10.4645,
14.0172


249.2731,
193.9559, 228.7700


 13.1327, 5.7080,
7.9937


 44.3455, 26.6656,
33.8371


 7.5976, 2.6684,
4.0032


 60.8367, 38.8790,
48.4706


 3.8882, 0.9611,
1.6271

 80.9805, 54.3468,
66.8113

 1.6391, 0.0000,
0.3101

 105.1420, 73.4534,
89.2776

 0.4177, 0.0000,
0.0000

 133.6866, 96.5832,
116.2880

 0.0000, 0.0000,
0.0000

 166.9798,

124.1207, 148.2612

205.3868,
156.4501, 185.6157

■ 20.8588, 10.4645,
14.0172

■ 20.8588, 10.4645,
14.0172

■ 20.8581, 10.4642,
14.0138

■ 21.4650, 11.0487,
16.1564

■ 22.2978, 12.0316,
18.5378

■ 23.4320, 13.5622,
21.1905

■ 24.9036, 15.7111,
24.1301

■ 26.7432, 18.5381,
27.3705

■ 28.9777, 22.0961,
30.9241

■ 31.6316, 26.4327,
34.8026

■ 34.7270, 31.5912,
39.0165

■ 38.2846, 37.6120,
43.5762

Harmonies

Analogous

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



18.4269, 10.4645, 32.0713



20.8588, 10.4645, 14.0172



19.7445, 10.4645, 4.1113

Triad

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



20.8588, 10.4645, 14.0172



6.8888, 10.4645, 0.4304



5.7953, 10.4645, 44.1335

Complementary

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



20.8588, 10.4645, 14.0172



17.1578, 32.3357, 11.8210

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.



4.0831, 10.4645, 24.3503



20.8588, 10.4645, 14.0172



4.5729, 10.4645, 2.3172

Square

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



20.8588, 10.4645, 14.0172



10.8243, 10.4645, 0.0481



3.7124, 10.4645, 9.1205



9.1169, 10.4645, 55.9796

Rectangle

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



20.8588, 10.4645, 14.0172



17.2685, 10.4645, 1.5090



3.7124, 10.4645, 9.1205



5.0564, 10.4645, 37.7117

Sweetspot

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



20.8591, 10.4651, 14.0174



57.0839, 47.4751, 62.7200



10.6508, 4.5629, 42.4388



12.1852, 9.7598, 13.2327



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

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



20.8591, 10.4651, 14.0174



37.7079, 18.9294, 24.7966



18.4682, 9.5087, 1.4269



8.6976, 8.5857, 9.9058



14.9562, 7.5000, 10.1950



0.4988, 0.2473, 0.4695

Inverse Universe

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



20.8591, 10.4651, 14.0174



37.7079, 18.9294, 24.7966



22.2837, 34.3861, 38.8136



8.6976, 8.5857, 9.9058



14.9562, 7.5000, 10.1950



0.4988, 0.2473, 0.4695

Previews

White Background



This preview shows how the XYZ color 20.8588, 10.4645, 14.0172 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 20.8588, 10.4645, 14.0172 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 20.8588, 10.4645, 14.0172

Background



This preview shows how black text looks on a background with the XYZ color 20.8588, 10.4645, 14.0172.



This preview shows how white text looks on a background with the XYZ color 20.8588, 10.4645,

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

20.8588, 10.4645, 14.0172

Protanopia

11.9244, 11.2019, 29.9675

Deuteranopia

11.3319, 11.1515, 12.6215



Tritanopia

18.8901, 10.8670, 3.2924

Trichromacy



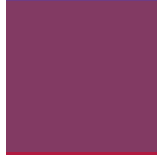
Original Color

20.8588, 10.4645, 14.0172



Protanomaly

12.3531, 8.2009, 23.1221



Deuteranomaly

12.9711, 8.6728, 12.7947



Tritanomaly

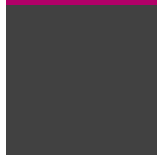
19.2280, 10.3505, 5.9855

Monochromacy



Original Color

20.8588, 10.4645, 14.0172



Achromatopsia

5.0244, 5.2861, 5.7565



Achromatomaly

8.1481, 5.2146, 7.9742

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.8588, 10.4645, 14.0172 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(178, 0, 104)` looks like.

```
.text, #text, p{  
    color:rgb(178, 0, 104)  
}
```

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(178, 0, 104) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 0, 104) }
```

Border

The CSS property to change the border of an element to XYZ 20.8588, 10.4645, 14.0172 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(178, 0, 104) }
```


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

```
.border{ border-color:rgb(178, 0, 104) }
```

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

Here you see how a box with a 4 pixel rgb(178, 0, 104) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 0, 104); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 0, 104);  
box-shadow:4px 4px 4px 4px rgb(178, 0,  
104) }
```

Background

The CSS property to change the background color of an element to XYZ 20.8588, 10.4645, 14.0172 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 0, 104) }
```

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

```
.background{ background-color: rgb(178, 0,  
104) }
```

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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