

Converting Colors

XYZ(20.9185, 20.9565, 28.8497)

Have a look what the booklet for
XYZ(20.9185, 20.9565, 28.8497)
contains.

XYZ(20.9180, 20.9105, 28.9202)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(20.9180, 20.9105,
28.9202)**

Conversions

Conversions Part 1

Format	Color
Hex	7F7C8F
RGB	127, 124, 143
RGB Percent	50%, 49%, 56%
CMY	0.5020, 0.5137, 0.4392
CMYK	0.11, 0.13, 0.00, 0.44
HSL	249°, 8%, 52%
HSV	249°, 13%, 56%
XYZ	20.9180, 20.9105, 28.9202
YIQ	127.0630, -4.3110, 6.5450

Conversions

Conversions Part 2

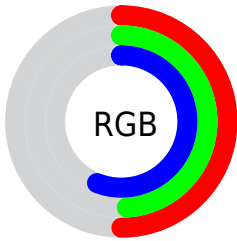
Format	Color
R_{YB}	127, 124, 143
Decimal	8354959
CIE Lab	52.85, 5.10, -9.85
CIE LCh	53, 11.096, 297.388
Yxy	20.9105, 0.2957, 0.2956
Android (android.graphics.Color)	4286545039 (0xFF7F7C8F)
YUV	127.0630, 7.8569, -0.0553
Hunter-Lab	45.7280, 1.6298, -5.4877

Details

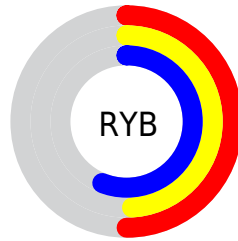
The XYZ color **20.9180, 20.9105, 28.9202** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **24.2764, 26.6761, 22.9393**, and the grayscale version is **20.1699, 21.2203, 23.1089**.

A 20% lighter version of the original color is **44.4258, 44.7852, 59.1262**, and **7.6337, 7.4422, 11.3901** is the 20% darker color. If you saturate the color by 10%, you get **17.5667, 16.7131, 28.2870**, and if you desaturate by 10%, it is **24.7449, 25.7400, 29.6510**.

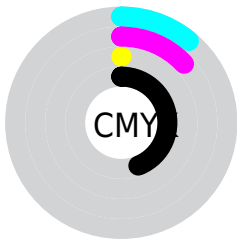
Distribution



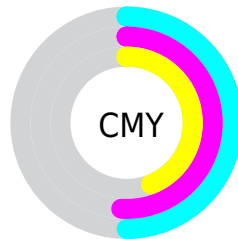
- Red (50%)
- Green (49%)
- Blue (56%)



- Red (50%)
- Yellow (49%)
- Blue (56%)



- Cyan (11%)
- Magenta (13%)
- Yellow (0%)
- Black (44%)



- Cyan (50%)
- Magenta (51%)
- Yellow (44%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.9180, 20.9105, 28.9202 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 20.9180, 20.9105, 28.9202 by changing the saturation by 10% instead.

■ 20.9180, 20.9105,
28.9202

■ 20.9180, 20.9105,
28.9202

249.5824,
256.8025, 310.8874

■ 13.1762, 13.0586,
18.7754

■ 44.4433, 44.9385,
58.9909

■ 7.6278, 7.4689,
11.3329

■ 60.9576, 61.8835,
79.7540

■ 3.9075, 3.7570,
6.1743

■ 81.1267, 82.6282,
104.8935

■ 1.6500, 1.5386,
2.8808

105.3160,
107.5571, 134.8281

■ 0.4246, 0.3157,
1.0341

133.8908,
137.0546, 169.9762

■ 0.0000, 0.0000,
0.0000

167.2166,

171.5050, 210.7564

205.6587,
211.2929, 257.5873

■ 20.9180, 20.9105,
28.9202

■ 20.9180, 20.9105,
28.9202

■ 17.5667, 16.7131,
28.2870

■ 24.7449, 25.7400,
29.6510

■ 14.6704, 13.1189,
27.7459

■ 29.0631, 31.2236,
30.4819

■ 12.2099, 10.1010,
27.2931

■ 33.8899, 37.3855,
31.4168

■ 10.1637, 7.6290,
26.9238

■ 39.2413, 44.2477,
32.4593

■ 8.5087, 5.6701,
26.6329

■ 45.1325, 51.8314,
33.6126

7.2191, 4.1874,
26.4147

51.5781, 60.1570,
34.8799

6.2664, 3.1396,
26.2626

58.5921, 69.2437,
36.2641

5.6170, 2.4777,
26.1691

66.1880, 79.1104,
37.7682

5.3016, 2.1603,
26.1245

74.3790, 89.7750,
39.3950

Harmonies

Analogous

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



19.7734, 20.9105, 29.7597



20.9180, 20.9105, 28.9202



21.8123, 20.9105, 26.3851

Triad

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



20.9180, 20.9105, 28.9202



21.1006, 20.9105, 17.8025



17.7300, 20.9105, 22.4782

Complementary

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



20.9180, 20.9105, 28.9202



24.2764, 26.6761, 22.9393

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.



18.0556, 20.9105, 19.4976



20.9180, 20.9105, 28.9202



19.9766, 20.9105, 16.9673

Square

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



20.9180, 20.9105, 28.9202



21.9206, 20.9105, 19.9556



18.8669, 20.9105, 17.5567



17.9604, 20.9105, 25.8329

Rectangle

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



20.9180, 20.9105, 28.9202



22.1306, 20.9105, 24.1907



18.8669, 20.9105, 17.5567



17.7778, 20.9105, 21.4022

Sweetspot

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



20.9186, 20.9114, 28.9207



43.7340, 45.3620, 52.9887



22.6708, 25.0688, 29.6308



9.9146, 10.2576, 12.1296



69.3244, 72.9347, 79.4259



10.7221, 11.2805, 12.2844

Same Dimension

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



20.9186, 20.9114, 28.9207



35.5403, 35.0356, 51.4274



22.3765, 21.6630, 28.9889



5.2040, 5.2933, 6.7762



4.7001, 1.9166, 23.0993



0.0570, 0.0246, 0.2214

Inverse Universe

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



23.2696, 22.1493, 27.8606



40.6228, 37.7125, 49.0961



22.7671, 25.8980, 22.8686



5.5902, 5.4966, 6.6060



13.0427, 6.3741, 16.4082



0.1311, 0.0635, 0.1903

Previews

White Background



This preview shows how the XYZ color 20.9180, 20.9105, 28.9202 looks on a white 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

Black Background



This preview shows how the XYZ color 20.9180, 20.9105, 28.9202 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

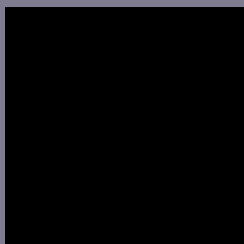
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

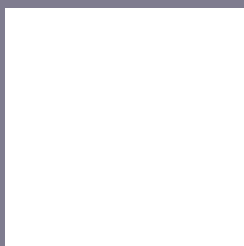
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 20.9180, 20.9105, 28.9202

Background



This preview shows how black text looks on a background with the XYZ color 20.9180, 20.9105, 28.9202.



This preview shows how white text looks on a background with the XYZ color 20.9180, 20.9105,

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

20.9180, 20.9105, 28.9202

Protanopia

20.5360, 20.8918, 29.3357

Deuteranopia

21.2468, 20.8949, 28.8999



Tritanopia

20.3110, 20.8521, 25.8760

Trichromacy



Original Color

20.9180, 20.9105, 28.9202

Protanomaly

20.6798, 20.9659, 29.3424

Deuteranomaly

21.0941, 20.8162, 28.8928

Tritanomaly

20.5252, 20.9378, 27.0044

Monochromacy



Original Color

20.9180, 20.9105, 28.9202

Achromatopsia

20.1725, 21.2231, 23.1119

Achromatomaly

20.4469, 21.1272, 25.1906

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.9180, 20.9105, 28.9202 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(127, 124, 143)` looks like.

```
.text, #text, p{  
    color:rgb(127, 124, 143)  
}
```

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(127, 124, 143) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 124, 143) }
```

Border

The CSS property to change the border of an element to XYZ 20.9180, 20.9105, 28.9202 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(127, 124, 143) }
```


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

```
.border{ border-color:rgb(127, 124, 143) }
```

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

Here you see how a box with a 4 pixel `rgb(127, 124, 143)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(127, 124, 143); -webkit-box-shadow:4px 4px 4px 4px rgb(127, 124, 143); box-shadow:4px 4px 4px 4px rgb(127, 124, 143) }
```

Background

The CSS property to change the background color of an element to XYZ 20.9180, 20.9105, 28.9202 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(127, 124, 143) }
```

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

```
.background{ background-color: rgb(127,  
124, 143) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor