

Converting Colors

XYZ(20.2602, 18.1757, 22.8396)

Have a look what the booklet for
XYZ(20.2602, 18.1757, 22.8396)
contains.

XYZ(20.1801, 18.0712, 22.8466)	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(20.1801, 18.0712,
22.8466)**

Conversions

Conversions Part 1

Format	Color
Hex	8C6D80
RGB	140, 109, 128
RGB Percent	55%, 43%, 50%
CMY	0.4510, 0.5725, 0.4980
CMYK	0.00, 0.22, 0.09, 0.45
HSL	323°, 12%, 49%
HSV	323°, 22%, 55%
XYZ	20.1801, 18.0712, 22.8466
YIQ	120.4350, 12.3770, 12.4810

Conversions

Conversions Part 2

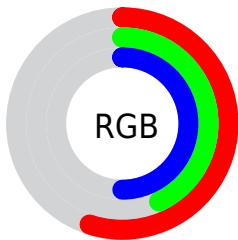
Format	Color
R _Y B	140, 109, 128
Decimal	9203072
CIE Lab	49.58, 15.60, -5.77
CIE LCh	50, 16.636, 339.696
Yxy	18.0712, 0.3303, 0.2958
Android (android.graphics.Color)	4287393152 (0xFF8C6D80)
YUV	120.4350, 3.7295, 17.1585
Hunter-Lab	42.5102, 10.3431, -2.1075

Details

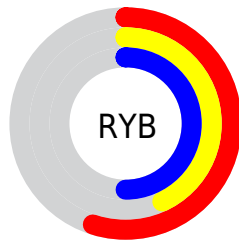
The XYZ color **20.1801, 18.0712, 22.8466** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **19.1366, 23.3883, 21.5959**, and the grayscale version is **17.9780, 18.9142, 20.5976**.

A 20% lighter version of the original color is **43.3335, 40.2953, 49.2099**, and **7.1999, 6.0258, 8.1808** is the 20% darker color. If you saturate the color by 10%, you get **18.4568, 15.1801, 20.5590**, and if you desaturate by 10%, it is **22.1614, 21.4473, 25.3147**.

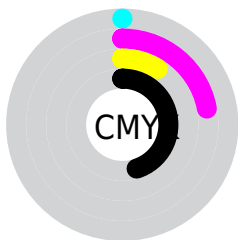
Distribution



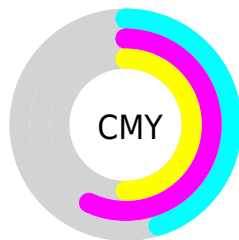
- Red (55%)
- Green (43%)
- Blue (50%)



- Red (55%)
- Yellow (43%)
- Blue (50%)



- Cyan (0%)
- Magenta (22%)
- Yellow (9%)
- Black (45%)



- Cyan (45%)
- Magenta (57%)
- Yellow (50%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.1801, 18.0712, 22.8466 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 20.1801, 18.0712, 22.8466 by changing the saturation by 10% instead.

■ 20.1801, 18.0712,
22.8466

■ 20.1801, 18.0712,
22.8466

245.7035,
241.2721, 280.0325

■ 12.6351, 11.0011,
14.2760

■ 43.2206, 40.1586,
49.0613

■ 7.2530, 6.0676,
8.1720

■ 59.4467, 55.9447,
67.5426

■ 3.6685, 2.8862,
4.1158

■ 79.2972, 75.4050,
90.1645

■ 1.5164, 1.0726,
1.6891

■ 103.1375, 98.9238,
117.3455

■ 0.3369, 0.0000,
0.3533

131.3330,
126.8855, 149.5043

■ 0.0000, 0.0000,
0.0000

164.2488,

159.6745, 187.0594

202.2506,
197.6752, 230.4292

■ 20.1801, 18.0712,
22.8466

■ 20.1801, 18.0712,
22.8466

■ 18.4568, 15.1801,
20.5590

■ 22.1614, 21.4473,
25.3147

■ 16.9784, 12.7490,
18.4454

■ 24.4100, 25.3272,
27.9670

■ 15.7329, 10.7543,
16.5005

■ 26.9364, 29.7314,
30.8089

■ 14.7068, 9.1693,
14.7184

■ 29.7503, 34.6787,
33.8447

■ 13.8851, 7.9644,
13.0923

■ 32.8608, 40.1870,
37.0790

■ 13.2506, 7.1059,
11.6151

■ 36.2767, 46.2733,
40.5159

■ 12.7832, 6.5542,
10.2783

■ 40.0063, 52.9538,
44.1595

■ 12.4871, 6.2442,
9.3098

■ 44.0576, 60.2443,
48.0137

■ 48.4384, 68.1598,
52.0823

Harmonies

Analogous

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



19.1868, 18.0712, 27.1441



20.1801, 18.0712, 22.8466



20.3421, 18.0712, 18.2497

Triad

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



20.1801, 18.0712, 22.8466



16.6704, 18.0712, 12.2971



14.9468, 18.0712, 25.7613

Complementary

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



20.1801, 18.0712, 22.8466



19.1366, 23.3883, 21.5959

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.



14.3570, 18.0712, 21.1757



20.1801, 18.0712, 22.8466



15.3111, 18.0712, 13.7219

Square

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



20.1801, 18.0712, 22.8466



18.2501, 18.0712, 12.6034



14.4861, 18.0712, 16.8140



16.1452, 18.0712, 28.9974

Rectangle

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



20.1801, 18.0712, 22.8466



19.9473, 18.0712, 15.6799



14.4861, 18.0712, 16.8140



14.6743, 18.0712, 24.3002

Sweetspot

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



20.1806, 18.0720, 22.8470



40.9907, 41.1146, 46.9244



18.0718, 16.8881, 27.1184



9.4009, 9.3972, 10.7601



67.5393, 71.0566, 77.3807



10.1266, 10.6539, 11.6021

Same Dimension

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



20.1806, 18.0720, 22.8470



33.8745, 28.9907, 38.0517



19.2435, 17.6972, 17.9124



5.1532, 5.0967, 5.8950



11.1051, 5.5522, 8.3237



0.0810, 0.0398, 0.0932

Inverse Universe

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



20.1806, 18.0720, 22.8470



33.8745, 28.9907, 38.0517



20.1565, 23.7962, 26.9667



5.1532, 5.0967, 5.8950



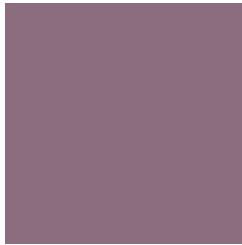
11.1051, 5.5522, 8.3237



0.0810, 0.0398, 0.0932

Previews

White Background



This preview shows how the XYZ color 20.1801, 18.0712, 22.8466 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 20.1801, 18.0712, 22.8466 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

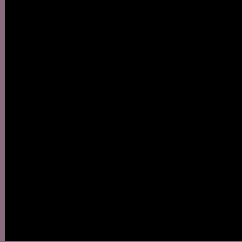
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 20.1801, 18.0712, 22.8466

Background



This preview shows how black text looks on a background with the XYZ color 20.1801, 18.0712, 22.8466.



This preview shows how white text looks on a background with the XYZ color 20.1801, 18.0712,

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

20.1801, 18.0712, 22.8466

Protanopia

17.7974, 18.1290, 24.7515

Deuteranopia

18.5657, 18.2294, 22.6188



Tritanopia

19.6617, 18.1898, 19.9275

Trichromacy



Original Color

20.1801, 18.0712, 22.8466

Protanomaly

18.5715, 18.0333, 23.9747

Deuteranomaly

19.0960, 18.1679, 22.5790

Tritanomaly

19.7362, 18.0460, 20.8554

Monochromacy



Original Color

20.1801, 18.0712, 22.8466

Achromatopsia

17.8524, 18.7821, 20.4537

Achromatomaly

18.5729, 18.4329, 21.3179

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.1801, 18.0712, 22.8466 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(140, 109, 128)` looks like.

```
.text, #text, p{  
    color:rgb(140, 109, 128)  
}
```

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(140, 109, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(140, 109, 128) }
```

Border

The CSS property to change the border of an element to XYZ 20.1801, 18.0712, 22.8466 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(140, 109, 128) }
```


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

```
.border{ border-color:rgb(140, 109, 128) }
```

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

Here you see how a box with a 4 pixel rgb(140, 109, 128) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(140, 109, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(140, 109, 128);  
box-shadow:4px 4px 4px 4px rgb(140, 109,  
128) }
```

Background

The CSS property to change the background color of an element to XYZ 20.1801, 18.0712, 22.8466 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(140, 109, 128) }
```

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

```
.background{ background-color: rgb(140,  
109, 128) }
```

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