

Converting Colors

XYZ(20.7244, 19.2477, 28.0175)

Have a look what the booklet for
XYZ(20.7244, 19.2477, 28.0175)
contains.

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Color

**XYZ(20.6861, 19.2010,
28.2071)**

Conversions

Conversions Part 1

Format	Color
Hex	85738E
RGB	133, 115, 142
RGB Percent	52%, 45%, 56%
CMY	0.4784, 0.5490, 0.4431
CMYK	0.06, 0.19, 0.00, 0.44
HSL	280°, 11%, 50%
HSV	280°, 19%, 56%
XYZ	20.6861, 19.2010, 28.2071
YIQ	123.4600, 2.0610, 12.2130

Conversions

Conversions Part 2

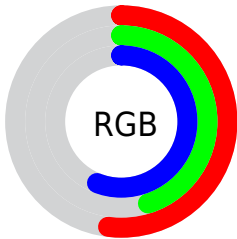
Format	Color
R _Y B	133, 115, 142
Decimal	8745870
CIE Lab	50.92, 12.30, -12.11
CIE LCh	51, 17.266, 315.443
Yxy	19.2010, 0.3038, 0.2820
Android (android.graphics.Color)	4286935950 (0xFF85738E)
YUV	123.4600, 9.1402, 8.3666
Hunter-Lab	43.8189, 7.5833, -7.4929

Details

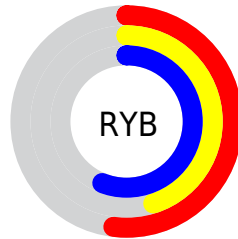
The XYZ color **20.6861, 19.2010, 28.2071** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **21.0804, 24.8694, 19.9098**, and the grayscale version is **18.9495, 19.9363, 21.7106**.

A 20% lighter version of the original color is **44.0322, 42.0621, 58.0226**, and **7.5062, 6.6260, 11.0085** is the 20% darker color. If you saturate the color by 10%, you get **18.4595, 15.8321, 27.6745**, and if you desaturate by 10%, it is **23.1970, 23.0878, 28.8253**.

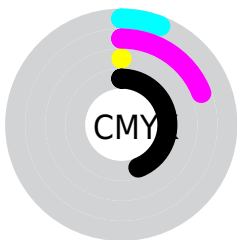
Distribution



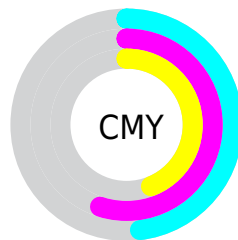
- Red (52%)
- Green (45%)
- Blue (56%)



- Red (52%)
- Yellow (45%)
- Blue (56%)



- Cyan (6%)
- Magenta (19%)
- Yellow (0%)
- Black (44%)



- Cyan (48%)
- Magenta (55%)
- Yellow (44%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.6861, 19.2010, 28.2071 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 20.6861, 19.2010, 28.2071 by changing the saturation by 10% instead.

■ 20.6861, 19.2010,
28.2071

■ 20.6861, 19.2010,
28.2071

248.3690,
247.5562, 307.3982

■ 13.0059, 11.8156,
18.2414

■ 44.0598, 42.0735,
57.8420

■ 7.5096, 6.6182,
10.9522

■ 60.4839, 58.3293,
78.3483

■ 3.8320, 3.2245,
5.9210

■ 80.5534, 78.3108,
103.2052

■ 1.6075, 1.2500,
2.7291

■ 104.6337,
102.4023, 132.8313

■ 0.3973, 0.1020,
0.9580

133.0900,
130.9882, 167.6451

■ 0.0000, 0.0000,
0.0000

166.2877,

164.4528, 208.0652

204.5923,
203.1807, 254.5100

■ 20.6861, 19.2010,
28.2071

■ 20.6861, 19.2010,
28.2071

■ 18.4595, 15.8321,
27.6745

■ 23.1970, 23.0878,
28.8253

■ 16.5037, 12.9557,
27.2224

■ 26.0015, 27.5115,
29.5313

■ 14.8065, 10.5478,
26.8471

■ 29.1107, 32.4933,
30.3290

■ 13.3540, 8.5815,
26.5441

■ 32.5345, 38.0524,
31.2216

■ 12.1311, 7.0270,
26.3085

■ 36.2823, 44.2071,
32.2120

■ 11.1207, 5.8507,
26.1347

■ 40.3631, 50.9748,
33.3033

■ 10.3028, 5.0137,
26.0162

■ 44.7858, 58.3724,
34.4980

■ 9.6309, 4.4235,
25.9377

■ 49.5584, 66.4158,
35.7990

■ 9.5672, 4.3680,
25.9304

■ 54.6893, 75.1207,
37.2088

Harmonies

Analogous

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



19.1366, 19.2010, 31.3207



20.6861, 19.2010, 28.2071



21.6092, 19.2010, 23.3554

Triad

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



20.6861, 19.2010, 28.2071



19.0861, 19.2010, 13.0747



15.2699, 19.2010, 23.5067

Complementary

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



20.6861, 19.2010, 28.2071



21.0804, 24.8694, 19.9098

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.



15.2583, 19.2010, 18.6353



20.6861, 19.2010, 28.2071



17.3912, 19.2010, 13.1022

Square

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



20.6861, 19.2010, 28.2071



20.6472, 19.2010, 14.9068



16.0130, 19.2010, 14.9888



16.0459, 19.2010, 28.3326

Rectangle

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



20.6861, 19.2010, 28.2071



21.7105, 19.2010, 20.0289



16.0130, 19.2010, 14.9888



15.1782, 19.2010, 21.8096

Sweetspot

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



20.6867, 19.2018, 28.2075



42.2794, 42.8664, 51.1736



19.2176, 20.1270, 28.4635



9.3843, 9.4818, 11.4150



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.



20.6867, 19.2018, 28.2075



34.6644, 31.0966, 49.3031



21.8705, 19.8466, 26.7043



5.4540, 5.4222, 6.7879



8.6098, 3.9321, 23.2823



0.1057, 0.0497, 0.2237

Inverse Universe

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



20.9248, 19.4683, 21.7245



35.2054, 31.6823, 35.4679



20.0767, 24.3245, 21.1063



5.4784, 5.4519, 6.0173



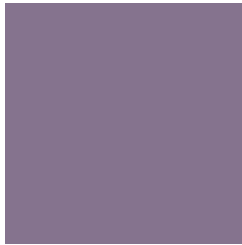
10.4905, 5.3532, 2.9682



0.1097, 0.0550, 0.0781

Previews

White Background



This preview shows how the XYZ color 20.6861, 19.2010, 28.2071 looks on a white background.

Color Contrast Check

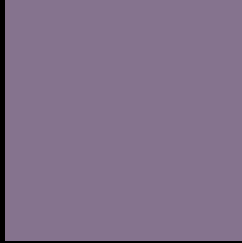
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.6861, 19.2010, 28.2071 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 20.6861, 19.2010, 28.2071

Background



This preview shows how black text looks on a background with the XYZ color 20.6861, 19.2010, 28.2071.



This preview shows how white text looks on a background with the XYZ color 20.6861, 19.2010,

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

20.6861, 19.2010, 28.2071

Protanopia

19.1072, 19.2213, 29.8971

Deuteranopia

19.5983, 19.1650, 27.8656



Tritanopia

19.6693, 19.3145, 22.7701

Trichromacy



Original Color

20.6861, 19.2010, 28.2071

Protanomaly

19.6153, 19.1388, 29.4484

Deuteranomaly

19.9214, 19.1577, 27.8471

Tritanomaly

20.0419, 19.2941, 24.4976

Monochromacy



Original Color

20.6861, 19.2010, 28.2071

Achromatopsia

18.8265, 19.8069, 21.5697

Achromatomaly

19.4981, 19.5567, 23.8662

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.6861, 19.2010, 28.2071 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(133, 115, 142)` looks like.

```
.text, #text, p{  
    color:rgb(133, 115, 142)  
}
```

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(133, 115, 142) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 115, 142) }
```

Border

The CSS property to change the border of an element to XYZ 20.6861, 19.2010, 28.2071 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(133, 115, 142) }
```


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

```
.border{ border-color:rgb(133, 115, 142) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 115, 142)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 115, 142); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 115, 142);  
box-shadow:4px 4px 4px 4px rgb(133, 115,  
142) }
```

Background

The CSS property to change the background color of an element to XYZ 20.6861, 19.2010, 28.2071 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 115, 142) }
```

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

```
.background{ background-color: rgb(133,  
115, 142) }
```

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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