

Converting Colors

XYZ(20.2231, 18.6187, 28.5145)

Have a look what the booklet for
XYZ(20.2231, 18.6187, 28.5145)
contains.

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Color

**XYZ(20.2231, 18.6187,
28.5145)**

Conversions

Conversions Part 1

Format	Color
Hex	83718F
RGB	131, 113, 143
RGB Percent	51%, 44%, 56%
CMY	0.4863, 0.5569, 0.4392
CMYK	0.08, 0.21, 0.00, 0.44
HSL	276°, 12%, 50%
HSV	276°, 21%, 56%
XYZ	20.2231, 18.6187, 28.5145
YIQ	121.8020, 1.0980, 13.1460

Conversions

Conversions Part 2

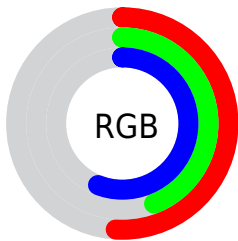
Format	Color
R_{YB}	131, 113, 143
Decimal	8614287
CIE _{Lab}	50.24, 12.99, -13.75
CIE _{LCh}	50, 18.917, 313.360
Yxy	18.6187, 0.3002, 0.2764
Android (android.graphics.Color)	4286804367 (0xFF83718F)
YUV	121.8020, 10.4506, 8.0666
Hunter-Lab	43.1494, 8.1473, -8.9762

Details

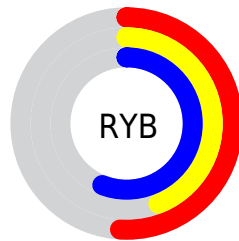
The XYZ color **20.2231, 18.6187, 28.5145** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **21.2612, 25.1976, 19.3667**, and the grayscale version is **18.4014, 19.3597, 21.0827**.

A 20% lighter version of the original color is **43.3003, 41.1318, 58.4804**, and **7.2594, 6.3202, 11.1932** is the 20% darker color. If you saturate the color by 10%, you get **17.8902, 15.2318, 27.9840**, and if you desaturate by 10%, it is **22.8575, 22.5352, 29.1319**.

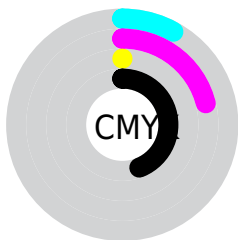
Distribution



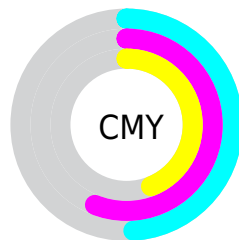
- Red (51%)
- Green (44%)
- Blue (56%)



- Red (51%)
- Yellow (44%)
- Blue (56%)



- Cyan (8%)
- Magenta (21%)
- Yellow (0%)
- Black (44%)



- Cyan (49%)
- Magenta (56%)
- Yellow (44%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.2231, 18.6187, 28.5145 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 20.2231, 18.6187, 28.5145 by changing the saturation by 10% instead.

■ 20.2231, 18.6187,
28.5145

■ 20.2231, 18.6187,
28.5145

245.9309,
244.3356, 308.9062

■ 12.6665, 11.3951,
18.4714

■ 43.2920, 41.0888,
58.3378

■ 7.2747, 6.3332,
11.1161

■ 59.5350, 57.1041,
78.9551

■ 3.6824, 3.0487,
6.0298

■ 79.4043, 76.8187,
103.9342

■ 1.5240, 1.1572,
2.7941

■ 103.2651,
100.6170, 133.6937

■ 0.3421, 0.0264,
0.9905

131.4828,
128.8835, 168.6521

■ 0.0000, 0.0000,
0.0000

164.4228,

162.0025, 209.2280

202.4504,
200.3584, 255.8398

■ 20.2231, 18.6187,
28.5145

■ 20.2231, 18.6187,
28.5145

■ 17.8902, 15.2318,
27.9840

■ 22.8575, 22.5352,
29.1319

■ 15.8446, 12.3483,
27.5352

■ 25.8033, 27.0012,
29.8387

■ 14.0732, 9.9431,
27.1644

■ 29.0723, 32.0387,
30.6387

■ 12.5615, 7.9881,
26.8667

■ 32.6749, 37.6674,
31.5353

■ 11.2933, 6.4522,
26.6371

■ 36.6211, 43.9064,
32.5315

10.2502, 5.3002,
26.4697

40.9205, 50.7736,
33.6304

9.4110, 4.4906,
26.3577

45.5823, 58.2865,
34.8349

8.7771, 3.9520,
26.2871

50.6152, 66.4617,
36.1476

56.0278, 75.3153,
37.5712

Harmonies

Analogous

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



18.5218, 18.6187, 31.7384



20.2231, 18.6187, 28.5145



21.2852, 18.6187, 23.2964

Triad

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



20.2231, 18.6187, 28.5145



18.7231, 18.6187, 12.0713



14.4900, 18.6187, 22.6905

Complementary

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



20.2231, 18.6187, 28.5145



21.2612, 25.1976, 19.3667

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.



14.5357, 18.6187, 17.5224



20.2231, 18.6187, 28.5145



16.8961, 18.6187, 11.9659

Square

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



20.2231, 18.6187, 28.5145



20.3792, 18.6187, 14.1128



15.3897, 18.6187, 13.7949



15.2603, 18.6187, 28.0055

Rectangle

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



20.2231, 18.6187, 28.5145



21.4454, 18.6187, 19.6880



15.3897, 18.6187, 13.7949



14.4122, 18.6187, 20.8687

Sweetspot

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



20.2237, 18.6195, 28.5149



43.4216, 44.1105, 52.7636



19.1658, 20.2888, 28.8929



9.8895, 10.0125, 12.0836



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.



20.2237, 18.6195, 28.5149



34.2499, 30.4685, 50.6139



22.0039, 19.5589, 27.6205



5.4203, 5.4049, 6.7863



7.7846, 3.5067, 23.2436



0.0994, 0.0464, 0.2234

Inverse Universe

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



20.9351, 19.1314, 21.9922



35.7990, 31.5775, 36.6592



19.7565, 24.4055, 20.0412



5.4927, 5.4576, 6.0924



10.6832, 5.4303, 3.9828



0.1125, 0.0561, 0.0928

Previews

White Background



This preview shows how the XYZ color 20.2231, 18.6187, 28.5145 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 20.2231, 18.6187, 28.5145 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 20.2231, 18.6187, 28.5145

Background



This preview shows how black text looks on a background with the XYZ color 20.2231, 18.6187, 28.5145.



This preview shows how white text looks on a background with the XYZ color 20.2231, 18.6187,

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

20.2231, 18.6187, 28.5145

Protanopia

18.5549, 18.5742, 30.2110

Deuteranopia

18.9895, 18.6686, 28.1937



Tritanopia

18.8491, 18.5606, 21.9911

Trichromacy



Original Color

20.2231, 18.6187, 28.5145

Protanomaly

19.1794, 18.5592, 29.7655

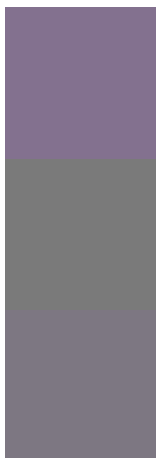
Deuteranomaly

19.4401, 18.7289, 28.1816

Tritanomaly

19.3489, 18.5945, 24.3991

Monochromacy



Original Color

20.2231, 18.6187, 28.5145

Achromatopsia

18.4984, 19.4618, 21.1939

Achromatomaly

19.0835, 19.1653, 23.8126

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.2231, 18.6187, 28.5145 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(131, 113, 143)` looks like.

```
.text, #text, p{  
    color:rgb(131, 113, 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(131, 113, 143) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 113, 143) }
```

Border

The CSS property to change the border of an element to XYZ 20.2231, 18.6187, 28.5145 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(131, 113, 143) }
```


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

```
.border{ border-color:rgb(131, 113, 143) }
```

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

Here you see how a box with a 4 pixel `rgb(131, 113, 143)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(131, 113, 143); -webkit-box-  
shadow:4px 4px 4px 4px rgb(131, 113, 143);  
box-shadow:4px 4px 4px 4px rgb(131, 113,  
143) }
```

Background

The CSS property to change the background color of an element to XYZ 20.2231, 18.6187, 28.5145 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 113, 143) }
```

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

```
.background{ background-color: rgb(131,  
113, 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](#).

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