

Converting Colors

XYZ(20.8272, 25.1837, 20.0468)

Have a look what the booklet for
XYZ(20.8272, 25.1837, 20.0468)
contains.

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Color

**XYZ(20.8135, 25.1774,
19.9824)**

Conversions

Conversions Part 1

Format	Color
Hex	789073
RGB	120, 144, 115
RGB Percent	47%, 56%, 45%
CMY	0.5294, 0.4353, 0.5490
CMYK	0.17, 0.00, 0.20, 0.44
HSL	110°, 12%, 51%
HSV	110°, 20%, 56%
XYZ	20.8135, 25.1774, 19.9824
YIQ	133.5180, -4.9950, -14.1070

Conversions

Conversions Part 2

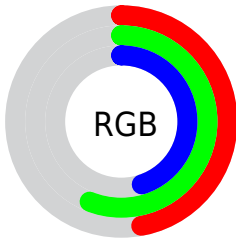
Format	Color
R_{YB}	115, 144, 139
Decimal	7901299
CIE _{Lab}	57.25, -14.35, 12.63
CIE _{LCh}	57, 19.118, 138.640
Yxy	25.1774, 0.3155, 0.3816
Android (android.graphics.Color)	4286091379 (0xFF789073)
YUV	133.5180, -9.1294, -11.8553
Hunter-Lab	50.1771, -13.7679, 11.5125

Details

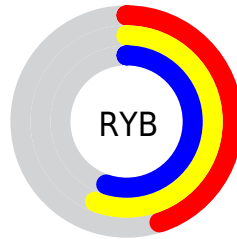
The XYZ color **20.8135, 25.1774, 19.9824** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **21.8133, 19.7648, 29.0522**, and the grayscale version is **22.5175, 23.6902, 25.7986**.

A 20% lighter version of the original color is **44.4027, 52.0624, 44.2680**, and **7.6144, 9.7502, 6.7909** is the 20% darker color. If you saturate the color by 10%, you get **18.4976, 24.0726, 15.8812**, and if you desaturate by 10%, it is **23.4660, 26.4422, 24.7762**.

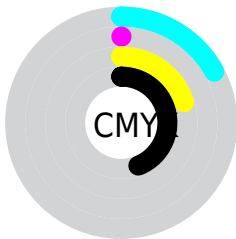
Distribution



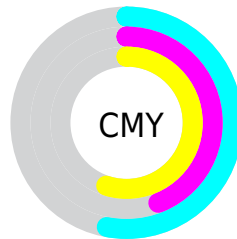
- Red (47%)
- Green (56%)
- Blue (45%)



- Red (45%)
- Yellow (56%)
- Blue (55%)



- Cyan (17%)
- Magenta (0%)
- Yellow (20%)
- Black (44%)



- Cyan (53%)
- Magenta (44%)
- Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.8135, 25.1774, 19.9824 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 20.8135, 25.1774, 19.9824 by changing the saturation by 10% instead.

■ 20.8135, 25.1774,
19.9824

■ 20.8135, 25.1774,
19.9824

249.0362,
278.7203, 264.4209

■ 13.0994, 16.2093,
12.1983

■ 44.2706, 51.9449,
44.2463

■ 7.5745, 9.6724,
6.7547

■ 60.7443, 70.5130,
61.5631

■ 3.8734, 5.1823,
3.2331

■ 80.8685, 93.0499,
82.8946

■ 1.6308, 2.3546,
1.2148

105.0088,
119.9400, 108.6593

■ 0.4123, 0.8024,
0.0000

133.5303,
151.5677, 139.2757

■ 0.0000, 0.0000,
0.0000

166.7985,

188.3174, 175.1625

205.1786,
230.5735, 216.7380

■ 20.8135, 25.1774,
19.9824

■ 20.8135, 25.1774,
19.9824

■ 18.4976, 24.0726,
15.8812

■ 23.4660, 26.4422,
24.7762

■ 16.5028, 23.1184,
12.4390

■ 26.4658, 27.8697,
30.2908

■ 14.8152, 22.3090,
9.6220

■ 29.8256, 29.4666,
36.5548

■ 13.4194, 21.6373,
7.3926

■ 33.5570, 31.2382,
43.5948

■ 12.2982, 21.0954,
5.7091

■ 37.6709, 33.1897,
51.4362

■ 11.4329, 20.6747,
4.5246

■ 42.1779, 35.3260,
60.1030

■ 10.8022, 20.3653,
3.7841

■ 47.0880, 37.6517,
69.6184

■ 10.3703, 20.1520,
3.3431

■ 52.4110, 40.1715,
80.0047

■ 58.1563, 42.8896,
91.2831

Harmonies

Analogous

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



22.5676, 25.1774, 17.2280



20.8135, 25.1774, 19.9824



19.9163, 25.1774, 25.0338

Triad

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



20.8135, 25.1774, 19.9824



23.0842, 25.1774, 41.5215



28.2905, 25.1774, 23.6241

Complementary

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



20.8135, 25.1774, 19.9824



21.8133, 19.7648, 29.0522

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.



28.4505, 25.1774, 29.9402



20.8135, 25.1774, 19.9824



25.3469, 25.1774, 40.9843

Square

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



20.8135, 25.1774, 19.9824



21.1711, 25.1774, 37.8607



27.3438, 25.1774, 36.4914



26.9195, 25.1774, 19.0907

Rectangle

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



20.8135, 25.1774, 19.9824



19.8846, 25.1774, 29.3270



27.3438, 25.1774, 36.4914



28.4907, 25.1774, 25.5859

Sweetspot

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



20.8142, 25.1785, 19.9830



43.4366, 47.6116, 47.4483



23.7840, 25.5419, 19.8966



9.8935, 10.8863, 10.7572



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.



20.8142, 25.1785, 19.9830



34.8600, 43.5243, 31.9483



20.6940, 25.0524, 22.8752



5.4242, 6.0713, 5.7754



9.0451, 17.5555, 2.9118



0.0995, 0.1746, 0.0285

Inverse Universe

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



21.8133, 19.7648, 29.0522



36.9370, 32.2595, 50.8179



21.9935, 19.9355, 25.5438



5.5363, 5.4647, 6.7918



11.0471, 5.1886, 23.3963



0.1212, 0.0576, 0.2244

Previews

White Background



This preview shows how the XYZ color 20.8135, 25.1774, 19.9824 looks on a white background.

Color Contrast Check

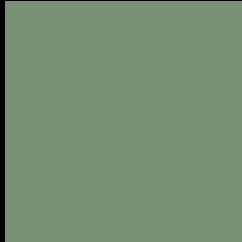
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.8135, 25.1774, 19.9824 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 20.8135, 25.1774, 19.9824

Background



This preview shows how black text looks on a background with the XYZ color 20.8135, 25.1774, 19.9824.



This preview shows how white text looks on a background with the XYZ color 20.8135, 25.1774,

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

20.8135, 25.1774, 19.9824

Protanopia

23.5473, 25.0809, 18.9293

Deuteranopia

25.3668, 24.9550, 20.3094



Tritanopia

23.3418, 25.1029, 32.4693

Trichromacy



Original Color

20.8135, 25.1774, 19.9824

Protanomaly

22.5121, 25.1827, 19.2970

Deuteranomaly

23.4581, 24.7986, 20.0732

Tritanomaly

22.3524, 25.1410, 27.3415

Monochromacy



Original Color

20.8135, 25.1774, 19.9824

Achromatopsia

22.6597, 23.8398, 25.9615

Achromatomaly

21.9725, 24.3764, 23.6257

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.8135, 25.1774, 19.9824 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(120, 144, 115)` looks like.

```
.text, #text, p{  
    color:rgb(120, 144, 115)  
}
```

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(120, 144, 115) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 144, 115) }
```

Border

The CSS property to change the border of an element to XYZ 20.8135, 25.1774, 19.9824 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(120, 144, 115) }
```


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

```
.border{ border-color:rgb(120, 144, 115) }
```

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

Here you see how a box with a 4 pixel `rgb(120, 144, 115)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 144, 115); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 144, 115);  
box-shadow:4px 4px 4px 4px rgb(120, 144,  
115) }
```

Background

The CSS property to change the background color of an element to XYZ 20.8135, 25.1774, 19.9824 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 144, 115) }
```

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

```
.background{ background-color: rgb(120,  
144, 115) }
```

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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