

Converting Colors

XYZ(20.2721, 24.9637, 11.4864)

Have a look what the booklet for
XYZ(20.2721, 24.9637, 11.4864)
contains.

XYZ(20.2098, 24.8282, 11.5117)	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(20.2098, 24.8282,
11.5117)**

Conversions

Conversions Part 1

Format	Color
Hex	808F51
RGB	128, 143, 81
RGB Percent	50%, 56%, 32%
CMY	0.4980, 0.4392, 0.6823
CMYK	0.10, 0.00, 0.43, 0.44
HSL	75°, 28%, 44%
HSV	75°, 43%, 56%
XYZ	20.2098, 24.8282, 11.5117
YIQ	131.4470, 10.9620, -22.4620

Conversions

Conversions Part 2

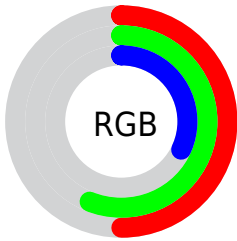
Format	Color
RYB	81, 143, 96
Decimal	8425297
CIELab	56.91, -15.83, 31.13
CIElCh	57, 34.924, 116.946
Yxy	24.8282, 0.3574, 0.4391
Android (android.graphics.Color)	4286615377 (0xFF808F51)
YUV	131.4470, -24.8704, -3.0230
Hunter-Lab	49.8279, -14.8007, 21.1818

Details

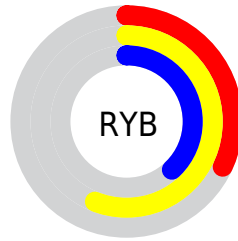
The XYZ color **20.2098, 24.8282, 11.5117** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **12.7251, 10.3554, 27.3161**, and the grayscale version is **21.8175, 22.9537, 24.9966**.

A 20% lighter version of the original color is **43.3544, 51.5163, 29.1313**, and **7.2637, 9.5220, 2.9685** is the 20% darker color. If you saturate the color by 10%, you get **19.2176, 24.3731, 8.9549**, and if you desaturate by 10%, it is **21.3339, 25.3399, 14.6652**.

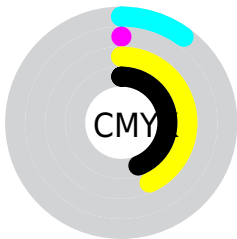
Distribution



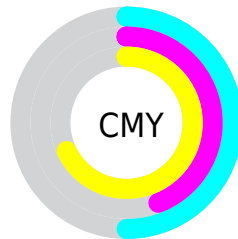
- Red (50%)
- Green (56%)
- Blue (32%)



- Red (32%)
- Yellow (56%)
- Blue (38%)



- Cyan (10%)
- Magenta (0%)
- Yellow (43%)
- Black (44%)



- Cyan (50%)
- Magenta (44%)
- Yellow (68%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.2098, 24.8282, 11.5117 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 20.2098, 24.8282, 11.5117 by changing the saturation by 10% instead.

■ 20.2098, 24.8282,
11.5117

■ 20.2098, 24.8282,
11.5117

245.8606,
276.9813, 212.0071

■ 12.6568, 15.9491,
6.2936

■ 43.2699, 51.3784,
29.2536

■ 7.2680, 9.4881,
2.9528

■ 59.5077, 69.8182,
42.6144

■ 3.6781, 5.0609,
1.0706

■ 79.3712, 92.2138,
59.5267

■ 1.5217, 2.2831,
0.0000

■ 103.2256,
118.9495, 80.4088

■ 0.3405, 0.7647,
0.0000

■ 131.4365,
150.4097, 105.6794

■ 0.0000, 0.0000,
0.0000

164.3690,

186.9788, 135.7569

202.3886,
229.0412, 171.0600

■ 20.2098, 24.8282,
11.5117

■ 20.2098, 24.8282,
11.5117

■ 19.2176, 24.3731,
8.9549

■ 21.3339, 25.3399,
14.6652

■ 18.3482, 23.9682,
6.9556

■ 22.5948, 25.9075,
18.4483

■ 17.5941, 23.6115,
5.4724

■ 23.9994, 26.5346,
22.8933

■ 16.9459, 23.2992,
4.4573

■ 25.5534, 27.2236,
28.0298

■ 16.3927, 23.0268,
3.8534

■ 27.2622, 27.9767,
33.8855

■ 16.0561, 22.8593,
3.5660

■ 29.1310, 28.7960,
40.4869

■ 31.1648, 29.6834,
47.8589

■ 33.3682, 30.6408,
56.0254

■ 35.7457, 31.6700,
65.0090

Harmonies

Analogous

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



24.0201, 24.8282, 10.1986



20.2098, 24.8282, 11.5117



17.5994, 24.8282, 16.5123

Triad

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



20.2098, 24.8282, 11.5117



19.5621, 24.8282, 50.6582



32.3589, 24.8282, 28.2520

Complementary

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



20.2098, 24.8282, 11.5117



12.7251, 10.3554, 27.3161

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.



30.8260, 24.8282, 41.2797



20.2098, 24.8282, 11.5117



23.1818, 24.8282, 56.3533

Square

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



20.2098, 24.8282, 11.5117



17.2569, 24.8282, 38.5835



27.3462, 24.8282, 52.5048



31.3296, 24.8282, 18.0548

Rectangle

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



20.2098, 24.8282, 11.5117



16.7340, 24.8282, 22.2571



27.3462, 24.8282, 52.5048



32.1224, 24.8282, 32.4491

Sweetspot

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



20.2104, 24.8293, 11.5122



42.9987, 47.5266, 41.0666



16.9481, 14.7032, 9.7296



9.7390, 10.8448, 9.0257



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.



20.2104, 24.8293, 11.5122



34.4570, 43.6660, 16.1412



16.2953, 22.8110, 11.3290



5.7138, 6.2206, 5.7889



14.2152, 20.2208, 3.1538



0.1556, 0.2035, 0.0311

Inverse Universe

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



12.7251, 10.3554, 27.3161



19.2617, 14.2508, 48.2735



16.5743, 12.3398, 27.4962



5.2442, 5.3141, 6.7781



5.0015, 2.0720, 23.1134



0.0651, 0.0287, 0.2218

Previews

White Background



This preview shows how the XYZ color 20.2098, 24.8282, 11.5117 looks on a white background.

Color Contrast Check

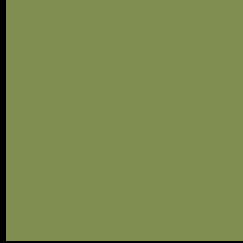
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.2098, 24.8282, 11.5117 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

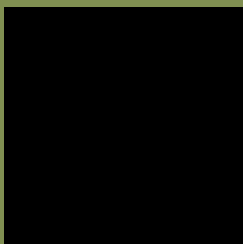
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

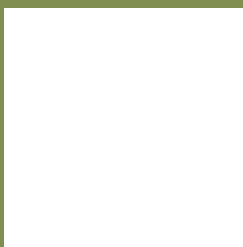
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 20.2098, 24.8282, 11.5117

Background



This preview shows how black text looks on a background with the XYZ color 20.2098, 24.8282, 11.5117.



This preview shows how white text looks on a background with the XYZ color 20.2098, 24.8282,

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

20.2098, 24.8282, 11.5117

Protanopia

22.7931, 24.6569, 10.9551

Deuteranopia

25.0999, 24.6047, 11.8138



Tritanopia

24.0056, 24.6375, 30.6844

Trichromacy



Original Color

20.2098, 24.8282, 11.5117

Protanomaly

21.8359, 24.7952, 11.2245

Deuteranomaly

23.1742, 24.6279, 11.7159

Tritanomaly

22.2742, 24.5686, 21.9806

Monochromacy



Original Color

20.2098, 24.8282, 11.5117

Achromatopsia

21.5731, 22.6966, 24.7166

Achromatomaly

20.8505, 23.2660, 19.0146

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.2098, 24.8282, 11.5117 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(128, 143, 81)` looks like.

```
.text, #text, p{  
    color:rgb(128, 143, 81)  
}
```

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(128, 143, 81) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 143, 81) }
```

Border

The CSS property to change the border of an element to XYZ 20.2098, 24.8282, 11.5117 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(128, 143, 81) }
```


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

```
.border{ border-color:rgb(128, 143, 81) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 143, 81)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 143, 81); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 143, 81);  
box-shadow:4px 4px 4px 4px rgb(128, 143,  
81) }
```

Background

The CSS property to change the background color of an element to XYZ 20.2098, 24.8282, 11.5117 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 143, 81) }
```

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

```
.background{ background-color: rgb(128,  
143, 81) }
```

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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