

Converting Colors

XYZ(20.0884, 23.4125, 20.7207)

Have a look what the booklet for
XYZ(20.0884, 23.4125, 20.7207)
contains.

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Color

**XYZ(20.1042, 23.4780,
20.6116)**

Conversions

Conversions Part 1

Format	Color
Hex	788A76
RGB	120, 138, 118
RGB Percent	47%, 54%, 46%
CMY	0.5294, 0.4588, 0.5373
CMYK	0.13, 0.00, 0.14, 0.46
HSL	114°, 8%, 50%
HSV	114°, 14%, 54%
XYZ	20.1042, 23.4780, 20.6116
YIQ	130.3380, -4.3080, -10.0360

Conversions

Conversions Part 2

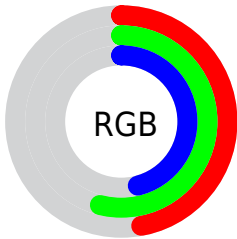
Format	Color
RYB	118, 138, 136
Decimal	7899766
CIELab	55.56, -10.54, 8.54
CIELCh	56, 13.571, 140.976
Yxy	23.4780, 0.3132, 0.3657
Android (android.graphics.Color)	4286089846 (0xFF788A76)
YUV	130.3380, -6.0826, -9.0664
Hunter-Lab	48.4541, -10.7328, 8.6969

Details

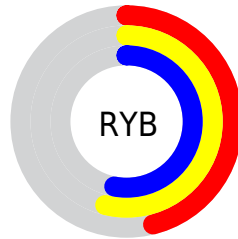
The XYZ color **20.1042, 23.4780, 20.6116** is a dark color, and the websafe version is hex **999999**. A complement of this color would be **21.2201, 20.0267, 26.7931**, and the grayscale version is **21.3603, 22.4727, 24.4728**.

A 20% lighter version of the original color is **42.8998, 48.9345, 45.2145**, and **7.1937, 8.7612, 7.1063** is the 20% darker color. If you saturate the color by 10%, you get **17.7312, 22.3433, 16.5284**, and if you desaturate by 10%, it is **22.8219, 24.7779, 25.3383**.

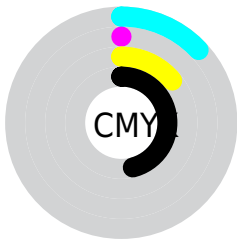
Distribution



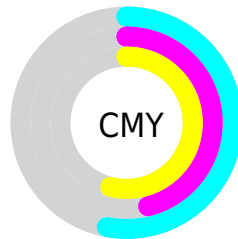
- Red (47%)
- Green (54%)
- Blue (46%)



- Red (46%)
- Yellow (54%)
- Blue (53%)



- Cyan (13%)
- Magenta (0%)
- Yellow (14%)
- Black (46%)



- Cyan (53%)
- Magenta (46%)
- Yellow (54%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.1042, 23.4780, 20.6116 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 20.1042, 23.4780, 20.6116 by changing the saturation by 10% instead.

■ 20.1042, 23.4780,
20.6116

■ 20.1042, 23.4780,
20.6116

245.3015,
270.1707, 267.9200

■ 12.5795, 14.9469,
12.6519

■ 43.0944, 49.1770,
45.3126

■ 7.2146, 8.7821,
7.0614

■ 59.2907, 67.1137,
62.8910

■ 3.6442, 4.5993,
3.4215

■ 79.1082, 88.9543,
84.5127

■ 1.5029, 2.0141,
1.3137

102.9122,
115.0833, 110.5963

■ 0.3278, 0.6157,
0.0730

131.0682,
145.8850, 141.5603

■ 0.0000, 0.0000,
0.0000

163.9415,

181.7439, 177.8232

201.8975,
223.0443, 219.8036

■ 20.1042, 23.4780,
20.6116

■ 20.1042, 23.4780,
20.6116

■ 17.7312, 22.3433,
16.5284

■ 22.8219, 24.7779,
25.3383

■ 15.6874, 21.3643,
13.0594

■ 25.8955, 26.2462,
30.7331

■ 13.9587, 20.5352,
10.1754


■ 29.3378, 27.8896,
36.8210


■ 12.5294, 19.8485,
7.8441


■ 33.1605, 29.7136,
43.6254


■ 11.3823, 19.2961,
6.0303


■ 37.3747, 31.7235,
51.1685


 10.4986, 18.8692,
4.6944


 41.9913, 33.9244,
59.4717


 9.8570, 18.5578,
3.7915

 47.0204, 36.3212,
68.5554

 9.4322, 18.3500,
3.2630

 52.4721, 38.9185,
78.4392

 9.2669, 18.2696,
3.0380

 58.3558, 41.7209,
89.1422

Harmonies

Analogous

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



21.2772, 23.4780, 18.4684



20.1042, 23.4780, 20.6116



19.5307, 23.4780, 24.2632

Triad

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



20.1042, 23.4780, 20.6116



21.8564, 23.4780, 34.8324



25.1799, 23.4780, 22.6611

Complementary

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



20.1042, 23.4780, 20.6116



21.2201, 20.0267, 26.7931

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.



25.3523, 23.4780, 26.9095



20.1042, 23.4780, 20.6116



23.3862, 23.4780, 34.2766

Square

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



20.1042, 23.4780, 20.6116



20.5115, 23.4780, 32.6929



24.6825, 23.4780, 31.2512



24.2215, 23.4780, 19.5542

Rectangle

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



20.1042, 23.4780, 20.6116



19.5467, 23.4780, 27.2036



24.6825, 23.4780, 31.2512



25.3334, 23.4780, 23.9908

Sweetspot

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



20.1048, 23.4790, 20.6121



40.4346, 43.7732, 45.0262



22.5564, 24.3207, 20.6454



8.9920, 9.7812, 9.9642



65.7814, 69.2071, 75.3665



9.5508, 10.0482, 10.9424

Same Dimension

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



20.1048, 23.4790, 20.6121



34.1752, 40.7806, 34.1516



20.3263, 23.5359, 23.2109



5.0153, 5.6306, 5.3749



8.5027, 16.7533, 2.7856



0.0617, 0.1140, 0.0188

Inverse Universe

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



21.2201, 20.0267, 26.7931



36.4844, 33.6309, 46.9517



20.9897, 19.9724, 23.8687



5.1854, 5.1040, 6.3177



11.8609, 5.6287, 22.5070



0.0854, 0.0408, 0.1498

Previews

White Background



This preview shows how the XYZ color 20.1042, 23.4780, 20.6116 looks on a white background.

Color Contrast Check

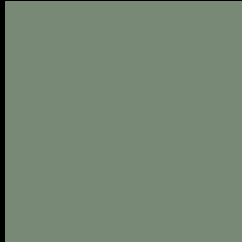
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.1042, 23.4780, 20.6116 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 20.1042, 23.4780, 20.6116

Background



This preview shows how black text looks on a background with the XYZ color 20.1042, 23.4780, 20.6116.



This preview shows how white text looks on a background with the XYZ color 20.1042, 23.4780,

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

20.1042, 23.4780, 20.6116

Protanopia

21.9932, 23.2293, 19.5442

Deuteranopia

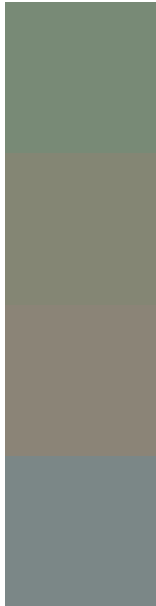
23.6870, 23.2784, 21.0140



Tritanopia

21.9481, 23.3796, 30.1440

Trichromacy



Original Color

20.1042, 23.4780, 20.6116

Protanomaly

21.1932, 23.2167, 19.8873

Deuteranomaly

22.2285, 23.3234, 20.7831

Tritanomaly

21.2055, 23.2882, 26.2991

Monochromacy



Original Color

20.1042, 23.4780, 20.6116

Achromatopsia

21.2178, 22.3228, 24.3095

Achromatomaly

20.7576, 22.7170, 23.0294

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.1042, 23.4780, 20.6116 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, 138, 118)` looks like.

```
.text, #text, p{  
    color:rgb(120, 138, 118)  
}
```

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, 138, 118) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 138, 118) }
```

Border

The CSS property to change the border of an element to XYZ 20.1042, 23.4780, 20.6116 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, 138, 118) }
```


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

```
.border{ border-color:rgb(120, 138, 118) }
```

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

Here you see how a box with a 4 pixel `rgb(120, 138, 118)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 138, 118); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 138, 118);  
box-shadow:4px 4px 4px 4px rgb(120, 138,  
118) }
```

Background

The CSS property to change the background color of an element to XYZ 20.1042, 23.4780, 20.6116 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 138, 118) }
```

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

```
.background{ background-color: rgb(120,  
138, 118) }
```

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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