

Converting Colors

XYZ(20.4330, 20.1977, 19.7149)

Have a look what the booklet for
XYZ(20.4330, 20.1977, 19.7149)
contains.

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Color

**XYZ(20.4086, 20.1206,
19.6376)**

Conversions

Conversions Part 1

Format	Color
Hex	8A7875
RGB	138, 120, 117
RGB Percent	54%, 47%, 46%
CMY	0.4588, 0.5294, 0.5412
CMYK	0.00, 0.13, 0.15, 0.46
HSL	9°, 8%, 50%
HSV	9°, 15%, 54%
XYZ	20.4086, 20.1206, 19.6376
YIQ	125.0400, 11.6910, 2.8830

Conversions

Conversions Part 2

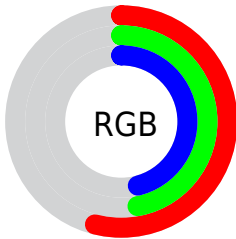
Format	Color
R_{YB}	138, 121, 117
Decimal	9074805
CIE _{Lab}	51.97, 6.42, 4.20
CIE _{LCh}	52, 7.669, 33.179
Yxy	20.1206, 0.3392, 0.3344
Android (android.graphics.Color)	4287264885 (0xFF8A7875)
YUV	125.0400, -3.9637, 11.3659
Hunter-Lab	44.8560, 2.7160, 5.4425

Details

The XYZ color **20.4086, 20.1206, 19.6376** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **20.5874, 22.9443, 27.3886**, and the grayscale version is **19.5171, 20.5335, 22.3610**.

A 20% lighter version of the original color is **43.6522, 43.5761, 43.6464**, and **7.4160, 7.1391, 6.6173** is the 20% darker color. If you saturate the color by 10%, you get **18.3208, 17.1491, 15.2293**, and if you desaturate by 10%, it is **22.7928, 23.4932, 24.7353**.

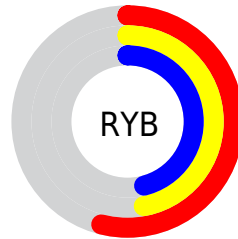
Distribution



Red (54%)

Green (47%)

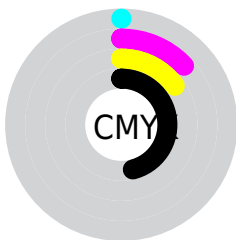
Blue (46%)



Red (54%)

Yellow (47%)

Blue (46%)

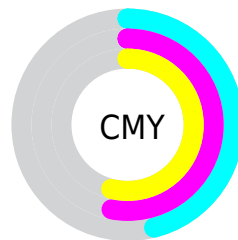


Cyan (0%)

Magenta (13%)

Yellow (15%)

Black (46%)



Cyan (46%)

Magenta (53%)

Yellow (54%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.4086, 20.1206, 19.6376 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 20.4086, 20.1206, 19.6376 by changing the saturation by 10% instead.

■ 20.4086, 20.1206,
19.6376

■ 20.4086, 20.1206,
19.6376

246.9102,
252.5672, 262.4854

■ 12.8024, 12.4827,
11.9504

■ 43.5999, 43.6193,
43.6597

■ 7.3687, 7.0733,
6.5878

■ 59.9157, 60.2489,
60.8317

■ 3.7421, 3.5080,
3.1312

■ 79.8655, 80.6446,
82.0024

■ 1.5573, 1.4024,
1.1620

103.8145,
105.1906, 107.5904

■ 0.3643, 0.2185,
0.0000

132.1281,
134.2716, 138.0141

■ 0.0000, 0.0000,
0.0000

165.1717,

168.2717, 173.6922

203.3106,
207.5755, 215.0431

■ 20.4086, 20.1206,
19.6376

■ 20.4086, 20.1206,
19.6376

■ 18.3208, 17.1491,
15.2293

■ 22.7928, 23.4932,
24.7353

■ 16.5163, 14.5611,
11.4797

■ 25.4828, 27.2782,
30.5491

■ 14.9831, 12.3418,
8.3574

■ 28.4895, 31.4898,
37.1056

■ 13.7080, 10.4743,
5.8280

■ 31.8227, 36.1410,
44.4297

■ 12.6766, 8.9403,
3.8539

■ 35.4920, 41.2438,
52.5452

■ 11.8731, 7.7202,
2.3929

■ 39.5064, 46.8101,
61.4748

■ 11.2795, 6.7919,
1.3971

■ 43.8746, 52.8511,
71.2404

■ 10.8735, 6.1298,
0.7996

■ 48.6051, 59.3779,
81.8630

■ 10.7268, 5.8943,
0.5723

■ 53.7059, 66.4009,
93.3628

Harmonies

Analogous

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



20.6629, 20.1206, 21.6703



20.4086, 20.1206, 19.6376



19.8096, 20.1206, 18.2897

Triad

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



20.4086, 20.1206, 19.6376



17.8150, 20.1206, 20.0242



19.2074, 20.1206, 26.4886

Complementary

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



20.4086, 20.1206, 19.6376



20.5874, 22.9443, 27.3886

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.



18.4544, 20.1206, 25.9744



20.4086, 20.1206, 19.6376



17.6635, 20.1206, 22.1473

Square

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



20.4086, 20.1206, 19.6376



18.3139, 20.1206, 18.5020



17.8945, 20.1206, 24.3468



19.9577, 20.1206, 25.7081

Rectangle

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



20.4086, 20.1206, 19.6376



19.3029, 20.1206, 17.9091



17.8945, 20.1206, 24.3468



18.9462, 20.1206, 26.4616

Sweetspot

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



20.4092, 20.1215, 19.6380



40.2254, 41.4801, 43.7061



21.2300, 19.8810, 25.7142



8.9618, 9.2184, 9.6729



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.



20.4092, 20.1215, 19.6380



34.7531, 33.7328, 32.0247



21.7149, 22.7330, 20.0733



5.0869, 5.1566, 5.2796



9.8420, 5.4185, 0.5271



0.0718, 0.0487, 0.0056

Inverse Universe

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



20.5874, 22.9443, 27.3886



35.1240, 39.6151, 48.1784



19.2195, 20.2085, 26.9326



5.1129, 5.5688, 6.4112



10.1827, 13.6358, 24.1410



0.0754, 0.1061, 0.1629

Previews

White Background



This preview shows how the XYZ color 20.4086, 20.1206, 19.6376 looks on a white background.

Color Contrast Check

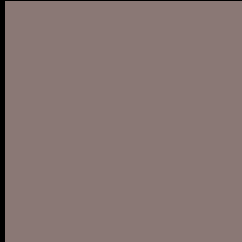
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.4086, 20.1206, 19.6376 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

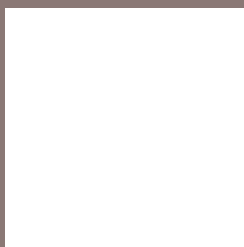
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 20.4086, 20.1206, 19.6376

Background



This preview shows how black text looks on a background with the XYZ color 20.4086, 20.1206, 19.6376.



This preview shows how white text looks on a background with the XYZ color 20.4086, 20.1206,

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

20.4086, 20.1206, 19.6376

Protanopia

19.2898, 20.2592, 20.3465

Deuteranopia

20.5748, 20.2063, 19.6454



Tritanopia

21.0222, 20.0043, 23.1753

Trichromacy



Original Color

20.4086, 20.1206, 19.6376

Protanomaly

19.7130, 20.2992, 20.0187

Deuteranomaly

20.5748, 20.2063, 19.6454

Tritanomaly

20.8824, 20.1379, 21.8552

Monochromacy



Original Color

20.4086, 20.1206, 19.6376

Achromatopsia

19.4927, 20.5079, 22.3331

Achromatomaly

19.8017, 20.3169, 21.2902

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.4086, 20.1206, 19.6376 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(138, 120, 117)` looks like.

```
.text, #text, p{  
    color:rgb(138, 120, 117)  
}
```

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(138, 120, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(138, 120, 117) }
```

Border

The CSS property to change the border of an element to XYZ 20.4086, 20.1206, 19.6376 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(138, 120, 117) }
```


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

```
.border{ border-color:rgb(138, 120, 117) }
```

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

Here you see how a box with a 4 pixel `rgb(138, 120, 117)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(138, 120, 117); -webkit-box-  
shadow:4px 4px 4px 4px rgb(138, 120, 117);  
box-shadow:4px 4px 4px 4px rgb(138, 120,  
117) }
```

Background

The CSS property to change the background color of an element to XYZ 20.4086, 20.1206, 19.6376 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(138, 120, 117) }
```

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

```
.background{ background-color: rgb(138,  
120, 117) }
```

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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