

Converting Colors

XYZ(18.9181, 20.6284, 8.0807)

Have a look what the booklet for
XYZ(18.9181, 20.6284, 8.0807)
contains.

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Color

**XYZ(18.9255, 20.7183,
8.1558)**

Conversions

Conversions Part 1

Format	Color
Hex	8A7E42
RGB	138, 126, 66
RGB Percent	54%, 49%, 26%
CMY	0.4588, 0.5059, 0.7412
CMYK	0.00, 0.09, 0.52, 0.46
HSL	50°, 35%, 40%
HSV	50°, 52%, 54%
XYZ	18.9255, 20.7183, 8.1558
YIQ	122.7480, 26.4120, -16.1160

Conversions

Conversions Part 2

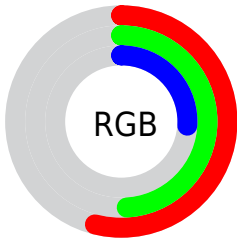
Format	Color
R_{YB}	80, 138, 66
Decimal	9076290
CIE Lab	52.64, -3.89, 34.04
CIE LCh	53, 34.259, 96.520
Yxy	20.7183, 0.3959, 0.4334
Android (android.graphics.Color)	4287266370 (0xFF8A7E42)
YUV	122.7480, -27.9768, 13.3760
Hunter-Lab	45.5174, -5.4375, 21.2386

Details

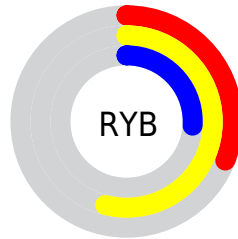
The XYZ color **18.9255, 20.7183, 8.1558** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **9.5586, 8.4419, 25.1705**, and the grayscale version is **18.8273, 19.8077, 21.5706**.

A 20% lighter version of the original color is **41.0072, 44.4161, 22.6315**, and **6.6092, 7.3332, 1.6832** is the 20% darker color. If you saturate the color by 10%, you get **18.2763, 19.9943, 6.1687**, and if you desaturate by 10%, it is **19.6807, 21.4970, 10.6631**.

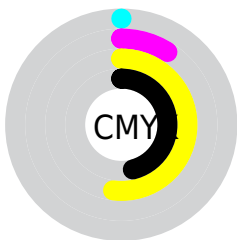
Distribution



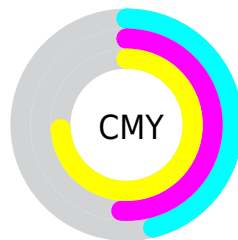
- Red (54%)
- Green (49%)
- Blue (26%)



- Red (31%)
- Yellow (54%)
- Blue (26%)



- Cyan (0%)
- Magenta (9%)
- Yellow (52%)
- Black (46%)



- Cyan (46%)
- Magenta (51%)
- Yellow (74%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.9255, 20.7183, 8.1558 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 18.9255, 20.7183, 8.1558 by changing the saturation by 10% instead.

■ 18.9255, 20.7183,
8.1558

■ 18.9255, 20.7183,
8.1558

238.9832,
255.7776, 186.9290

■ 11.7201, 12.9182,
4.1056

■ 41.1260, 44.6182,
22.8145

■ 6.6243, 7.3723,
1.6835

■ 56.8519, 61.4869,
34.2601

■ 3.2725, 3.6960,
0.3494

■ 76.1487, 82.1472,
49.0079

■ 1.2994, 1.5050,
0.0000

■ 99.3817, 106.9836,
67.4764

■ 0.1828, 0.2922,
0.0000

■ 126.9163,
136.3805, 90.0843

■ 0.0000, 0.0000,
0.0000

159.1178,

170.7221, 117.2500

196.3517,
210.3931, 149.3920

■ 18.9255, 20.7183,
8.1558

■ 18.9255, 20.7183,
8.1558

■ 18.2763, 19.9943,
6.1687

■ 19.6807, 21.4970,
10.6631

■ 17.7243, 19.3191,
4.6627

■ 20.5468, 22.3303,
13.7235

■ 17.2618, 18.6905,
3.5952

■ 21.5304, 23.2215,
17.3684

■ 16.8792, 18.1044,
2.9155

■ 22.6369, 24.1729,
21.6268

■ 16.6127, 17.6661,
2.5343

■ 23.8716, 25.1866,
26.5257

■ 25.2392, 26.2647,
32.0902

■ 26.7443, 27.4090,
38.3445

■ 28.3914, 28.6214,
45.3112

■ 30.1845, 29.9036,
53.0121

Harmonies

Analogous

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



22.5453, 20.7183, 8.9385



18.9255, 20.7183, 8.1558



15.8953, 20.7183, 10.1932

Triad

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



18.9255, 20.7183, 8.1558



14.6904, 20.7183, 36.3414



26.6563, 20.7183, 31.2991

Complementary

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



18.9255, 20.7183, 8.1558



9.5586, 8.4419, 25.1705

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.



24.0500, 20.7183, 42.2498



18.9255, 20.7183, 8.1558



17.0905, 20.7183, 45.7210

Square

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



18.9255, 20.7183, 8.1558



13.6476, 20.7183, 24.8573



20.4792, 20.7183, 48.1579



27.3004, 20.7183, 20.4064

Rectangle

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



18.9255, 20.7183, 8.1558



14.5198, 20.7183, 13.3854



20.4792, 20.7183, 48.1579



25.9666, 20.7183, 35.1836

Sweetspot

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



18.9260, 20.7193, 8.1562



39.0613, 41.8965, 34.8569



13.8048, 9.8500, 8.3816



8.6849, 9.3315, 7.5245



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.



18.9260, 20.7193, 8.1562



31.9894, 34.9773, 10.2265



17.0115, 22.1479, 8.5329



5.3613, 5.7055, 5.3711



15.2405, 16.2153, 2.3266



0.1100, 0.1252, 0.0184

Inverse Universe

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



9.5586, 8.4419, 25.1705



13.5674, 10.8571, 43.7637



10.7523, 7.9053, 25.0040



4.8377, 5.0183, 6.3195



4.4948, 2.2599, 22.2450



0.0372, 0.0296, 0.1502

Previews

White Background



This preview shows how the XYZ color 18.9255, 20.7183, 8.1558 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 18.9255, 20.7183, 8.1558 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

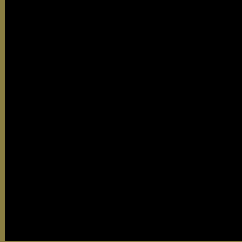
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 18.9255, 20.7183, 8.1558

Background



This preview shows how black text looks on a background with the XYZ color 18.9255, 20.7183, 8.1558.



This preview shows how white text looks on a background with the XYZ color 18.9255, 20.7183,

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

18.9255, 20.7183, 8.1558

Protanopia

19.0917, 20.8040, 8.1636

Deuteranopia

21.0863, 20.7203, 8.3569



Tritanopia

21.9947, 20.6815, 23.2547

Trichromacy



Original Color

18.9255, 20.7183, 8.1558

Protanomaly

19.0917, 20.8040, 8.1636

Deuteranomaly

20.1854, 20.6202, 8.2264

Tritanomaly

20.6647, 20.6898, 16.2690

Monochromacy



Original Color

18.9255, 20.7183, 8.1558

Achromatopsia

18.8265, 19.8069, 21.5697

Achromatomaly

18.5080, 19.9638, 15.4483

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.9255, 20.7183, 8.1558 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, 126, 66)` looks like.

```
.text, #text, p{  
    color:rgb(138, 126, 66)  
}
```

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, 126, 66) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(138, 126, 66) }
```

Border

The CSS property to change the border of an element to XYZ 18.9255, 20.7183, 8.1558 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, 126, 66) }
```


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

```
.border{ border-color:rgb(138, 126, 66) }
```

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

Here you see how a box with a 4 pixel `rgb(138, 126, 66)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(138, 126, 66); -webkit-box-  
shadow:4px 4px 4px 4px rgb(138, 126, 66);  
box-shadow:4px 4px 4px 4px rgb(138, 126,  
66) }
```

Background

The CSS property to change the background color of an element to XYZ 18.9255, 20.7183, 8.1558 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(138, 126, 66) }
```

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

```
.background{ background-color: rgb(138,  
126, 66) }
```

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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