

Converting Colors

XYZ(19.7542, 20.0963, 5.3312)

Have a look what the booklet for
XYZ(19.7542, 20.0963, 5.3312)
contains.

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Color

**XYZ(19.7678, 20.1064,
5.3217)**

Conversions

Conversions Part 1

Format	Color
Hex	96782D
RGB	150, 120, 45
RGB Percent	59%, 47%, 18%
CMY	0.4118, 0.5294, 0.8235
CMYK	0.00, 0.20, 0.70, 0.41
HSL	43°, 54%, 38%
HSV	43°, 70%, 59%
XYZ	19.7678, 20.1064, 5.3217
YIQ	120.4200, 41.9550, -16.9650

Conversions

Conversions Part 2

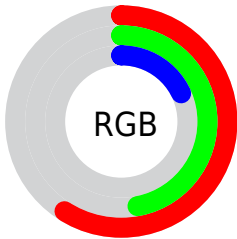
Format	Color
R_{YB}	87, 150, 45
Decimal	9861165
CIE _{Lab}	51.96, 3.32, 44.04
CIE _{LCh}	52, 44.169, 85.689
Yxy	20.1064, 0.4374, 0.4449
Android (android.graphics.Color)	4288051245 (0xFF96782D)
YUV	120.4200, -37.1821, 25.9417
Hunter-Lab	44.8402, 0.2215, 24.3515

Details

The XYZ color **19.7678, 20.1064, 5.3217** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **9.1033, 7.7919, 29.8782**, and the grayscale version is **18.0939, 19.0362, 20.7304**.

A 20% lighter version of the original color is **42.5502, 43.5967, 16.9988**, and **7.1412, 7.1215, 0.9982** is the 20% darker color. If you saturate the color by 10%, you get **19.0250, 19.0038, 3.8938**, and if you desaturate by 10%, it is **20.6372, 21.2982, 7.2986**.

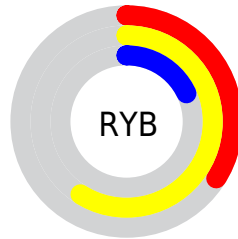
Distribution



Red (59%)

Green (47%)

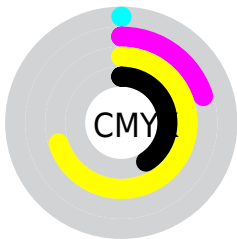
Blue (18%)



Red (34%)

Yellow (59%)

Blue (18%)

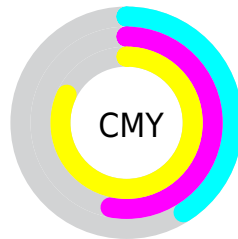


Cyan (0%)

Magenta (20%)

Yellow (70%)

Black (41%)



Cyan (41%)

Magenta (53%)

Yellow (82%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.7678, 20.1064, 5.3217 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 19.7678, 20.1064, 5.3217 by changing the saturation by 10% instead.

■ 19.7678, 20.1064,
5.3217

■ 19.7678, 20.1064,
5.3217

243.5129,
252.4905, 161.9450

■ 12.3337, 12.4724,
2.3752

■ 42.5345, 43.5955,
16.9586

■ 7.0451, 7.0663,
0.7729

■ 58.5977, 60.2194,
26.4860

■ 3.5369, 3.5036,
0.0000

■ 78.2680, 80.6087,
39.0442

■ 1.4437, 1.3999,
0.0000

■ 101.9107,
105.1479, 55.0516

■ 0.2870, 0.2167,
0.0000

■ 129.8912,
134.2212, 74.9269

■ 0.0000, 0.0000,
0.0000

■ 162.5748,

168.2132, 99.0885

200.3269,
207.5082, 127.9550

■ 19.7678, 20.1064,
5.3217

■ 19.7678, 20.1064,
5.3217

■ 19.0250, 19.0038,
3.8938

■ 20.6372, 21.2982,
7.2986

■ 18.3957, 17.9822,
2.9534

■ 21.6420, 22.5806,
9.8749

■ 17.8508, 17.0304,
2.3464

■ 22.7915, 23.9589,
13.0967

■ 17.8507, 17.0302,
2.3463

■ 24.0938, 25.4365,
17.0051

■ 25.5563, 27.0169,
21.6379

■ 27.1860, 28.7034,
27.0300

■ 28.9892, 30.4989,
33.2141

■ 30.9722, 32.4063,
40.2210

■ 33.1405, 34.4283,
48.0799

Harmonies

Analogous

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



24.4095, 20.1064, 7.1490



19.7678, 20.1064, 5.3217



15.6027, 20.1064, 6.3023

Triad

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



19.7678, 20.1064, 5.3217



12.3307, 20.1064, 34.4741



27.1774, 20.1064, 39.0241

Complementary

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



19.7678, 20.1064, 5.3217



9.1033, 7.7919, 29.8782

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.



23.1082, 20.1064, 52.6414



19.7678, 20.1064, 5.3217



14.6400, 20.1064, 49.3711

Square

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



19.7678, 20.1064, 5.3217



11.7213, 20.1064, 20.0835



18.4680, 20.1064, 57.0240



29.0921, 20.1064, 23.8069

Rectangle

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



19.7678, 20.1064, 5.3217



13.5681, 20.1064, 8.7520



18.4680, 20.1064, 57.0240



25.9879, 20.1064, 44.1417

Sweetspot

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



19.7683, 20.1074, 5.3221



44.7185, 47.2731, 36.9489



14.8381, 8.8898, 7.8631



9.7654, 10.3215, 7.7245



71.1368, 74.8414, 81.5023



11.3376, 11.9280, 12.9896

Same Dimension

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



19.7683, 20.1074, 5.3221



32.9237, 32.5007, 5.8349



20.4333, 26.6692, 6.5536



6.1269, 6.4675, 6.1659



14.8333, 14.1809, 1.9554



0.2068, 0.2240, 0.0323

Inverse Universe

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



9.1033, 7.7919, 29.8782



12.9705, 9.5575, 52.0824



8.6904, 5.2373, 29.4069



5.6264, 5.8868, 7.3095



5.3024, 3.2997, 24.2885



0.0875, 0.0856, 0.3048

Previews

White Background



This preview shows how the XYZ color 19.7678, 20.1064, 5.3217 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 19.7678, 20.1064, 5.3217 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 19.7678, 20.1064, 5.3217

Background



This preview shows how black text looks on a background with the XYZ color 19.7678, 20.1064, 5.3217.



This preview shows how white text looks on a background with the XYZ color 19.7678, 20.1064,

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

19.7678, 20.1064, 5.3217

Protanopia

18.3483, 20.1015, 5.4977

Deuteranopia

20.4891, 20.1227, 5.3889



Tritanopia

22.9557, 20.0367, 20.7467

Trichromacy



Original Color

19.7678, 20.1064, 5.3217

Protanomaly

18.9038, 20.2028, 5.4880

Deuteranomaly

20.2268, 20.1632, 5.4106

Tritanomaly

21.4329, 19.9218, 13.0716

Monochromacy



Original Color

19.7678, 20.1064, 5.3217

Achromatopsia

17.8524, 18.7821, 20.4537

Achromatomaly

18.0523, 19.0485, 13.0812

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.7678, 20.1064, 5.3217 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(150, 120, 45)` looks like.

```
.text, #text, p{  
    color:rgb(150, 120, 45)  
}
```

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(150, 120, 45) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(150, 120, 45) }
```

Border

The CSS property to change the border of an element to XYZ 19.7678, 20.1064, 5.3217 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(150, 120, 45) }
```


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

```
.border{ border-color:rgb(150, 120, 45) }
```

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

Here you see how a box with a 4 pixel `rgb(150, 120, 45)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(150, 120, 45); -webkit-box-  
shadow:4px 4px 4px 4px rgb(150, 120, 45);  
box-shadow:4px 4px 4px 4px rgb(150, 120,  
45) }
```

Background

The CSS property to change the background color of an element to XYZ 19.7678, 20.1064, 5.3217 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(150, 120, 45) }
```

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

```
.background{ background-color: rgb(150,  
120, 45) }
```

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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