

Converting Colors

XYZ(19.5856, 20.9018, 10.5005)

Have a look what the booklet for
XYZ(19.5856, 20.9018, 10.5005)
contains.

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Color

**XYZ(19.5968, 20.8219,
10.5756)**

Conversions

Conversions Part 1

Format	Color
Hex	8C7D50
RGB	140, 125, 80
RGB Percent	55%, 49%, 31%
CMY	0.4510, 0.5098, 0.6863
CMYK	0.00, 0.11, 0.43, 0.45
HSL	45°, 27%, 43%
HSV	45°, 43%, 55%
XYZ	19.5968, 20.8219, 10.5756
YIQ	124.3550, 23.3850, -10.8150

Conversions

Conversions Part 2

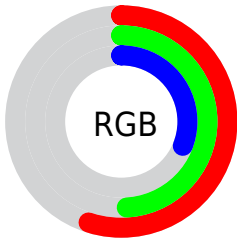
Format	Color
R_{YB}	100, 140, 80
Decimal	9207120
CIE _{Lab}	52.75, -0.97, 26.61
CIE _{LCh}	53, 26.625, 92.089
Yxy	20.8219, 0.3843, 0.4083
Android (android.graphics.Color)	4287397200 (0xFF8C7D50)
YUV	124.3550, -21.8670, 13.7207
Hunter-Lab	45.6310, -3.1953, 18.2005

Details

The XYZ color **19.5968, 20.8219, 10.5756** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **12.1340, 11.7829, 26.4457**, and the grayscale version is **19.3425, 20.3498, 22.1609**.

A 20% lighter version of the original color is **42.2571, 44.6581, 27.5118**, and **6.8977, 7.3591, 2.5703** is the 20% darker color. If you saturate the color by 10%, you get **18.6975, 19.7666, 7.9844**, and if you desaturate by 10%, it is **20.6206, 21.9535, 13.7406**.

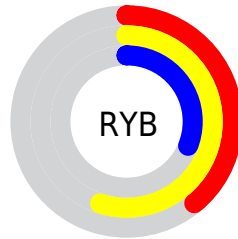
Distribution



Red (55%)

Green (49%)

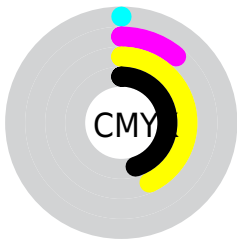
Blue (31%)



Red (39%)

Yellow (55%)

Blue (31%)

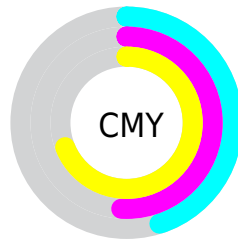


Cyan (0%)

Magenta (11%)

Yellow (43%)

Black (45%)



Cyan (45%)

Magenta (51%)

Yellow (69%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.5968, 20.8219, 10.5756 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 19.5968, 20.8219, 10.5756 by changing the saturation by 10% instead.

■ 19.5968, 20.8219,
10.5756

■ 19.5968, 20.8219,
10.5756

242.5993,
256.3305, 205.3641

■ 12.2089, 12.9939,
5.6717

■ 42.2493, 44.7909,
27.4972

■ 6.9593, 7.4243,
2.5809

■ 58.2445, 61.7007,
40.3520

■ 3.4828, 3.7289,
0.8826

■ 77.8395, 82.4066,
56.6941

■ 1.4139, 1.5231,
0.0000

■ 101.3997,
107.2929, 76.9422

■ 0.2661, 0.3049,
0.0000

■ 129.2905,
136.7441, 101.5146

■ 0.0000, 0.0000,
0.0000

161.8771,

171.1444, 130.8301

199.5249,
210.8784, 165.3071

■ 19.5968, 20.8219,
10.5756

■ 19.5968, 20.8219,
10.5756

■ 18.6975, 19.7666,
7.9844

■ 20.6206, 21.9535,
13.7406

■ 17.9142, 18.7816,
5.9300

■ 21.7736, 23.1613,
17.5107

■ 17.2397, 17.8646,
4.3734

■ 23.0622, 24.4488,
21.9164

■ 16.6653, 17.0119,
3.2695

■ 24.4919, 25.8184,
26.9857

■ 16.1808, 16.2191,
2.5650

■ 26.0678, 27.2725,
32.7449

■ 15.8676, 15.6803,
2.1903

■ 27.7948, 28.8132,
39.2191

■ 29.6776, 30.4426,
46.4320

■ 31.7205, 32.1627,
54.4061

■ 33.9278, 33.9755,
63.1631

Harmonies

Analogous

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



22.3939, 20.8219, 11.6743



19.5968, 20.8219, 10.5756



17.0901, 20.8219, 12.0357

Triad

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



19.5968, 20.8219, 10.5756



15.6067, 20.8219, 31.7936



24.8882, 20.8219, 30.6005

Complementary

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



19.5968, 20.8219, 10.5756



12.1340, 11.7829, 26.4457

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.



22.7616, 20.8219, 38.2329



19.5968, 20.8219, 10.5756



17.3973, 20.8219, 39.0272

Square

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



19.5968, 20.8219, 10.5756



14.9244, 20.8219, 23.2329



19.9857, 20.8219, 41.6204



25.6140, 20.8219, 22.1192

Rectangle

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



19.5968, 20.8219, 10.5756



15.8735, 20.8219, 14.5210



19.9857, 20.8219, 41.6204



24.3043, 20.8219, 33.4127

Sweetspot

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



19.5973, 20.8229, 10.5760



40.5601, 43.0068, 38.2920



15.7496, 12.1392, 12.3397



9.2375, 9.8031, 8.4472



67.5393, 71.0566, 77.3807



10.1266, 10.6539, 11.6021

Same Dimension

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



19.5973, 20.8229, 10.5760



33.0811, 34.9904, 14.3987



19.2835, 23.6953, 11.1470



5.3270, 5.6368, 5.3596



14.1152, 13.9648, 1.9515



0.1054, 0.1160, 0.0168

Inverse Universe

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



12.1340, 11.7829, 26.4457



18.2094, 16.9906, 46.0627



12.3218, 10.0639, 26.1040



4.8697, 5.0823, 6.3302



4.7538, 2.7780, 22.3313



0.0418, 0.0388, 0.1517

Previews

White Background



This preview shows how the XYZ color 19.5968, 20.8219, 10.5756 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 19.5968, 20.8219, 10.5756 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 19.5968, 20.8219, 10.5756

Background



This preview shows how black text looks on a background with the XYZ color 19.5968, 20.8219, 10.5756.



This preview shows how white text looks on a background with the XYZ color 19.5968, 20.8219,

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

19.5968, 20.8219, 10.5756

Protanopia

19.2253, 20.8193, 10.5947

Deuteranopia

21.1506, 20.7024, 10.6658



Tritanopia

22.1702, 20.7719, 23.2630

Trichromacy



Original Color

19.5968, 20.8219, 10.5756

Protanomaly

19.3901, 20.9042, 10.6024

Deuteranomaly

20.6575, 20.8090, 10.7124

Tritanomaly

21.0343, 20.6621, 17.9185

Monochromacy



Original Color

19.5968, 20.8219, 10.5756

Achromatopsia

19.1579, 20.1556, 21.9495

Achromatomaly

19.1203, 20.2438, 17.0871

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.5968, 20.8219, 10.5756 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(140, 125, 80)` looks like.

```
.text, #text, p{  
    color:rgb(140, 125, 80)  
}
```

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(140, 125, 80) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(140, 125, 80) }
```

Border

The CSS property to change the border of an element to XYZ 19.5968, 20.8219, 10.5756 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(140, 125, 80) }
```


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

```
.border{ border-color:rgb(140, 125, 80) }
```

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

Here you see how a box with a 4 pixel `rgb(140, 125, 80)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(140, 125, 80); -webkit-box-  
shadow:4px 4px 4px 4px rgb(140, 125, 80);  
box-shadow:4px 4px 4px 4px rgb(140, 125,  
80) }
```

Background

The CSS property to change the background color of an element to XYZ 19.5968, 20.8219, 10.5756 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(140, 125, 80) }
```

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

```
.background{ background-color: rgb(140,  
125, 80) }
```

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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