

Converting Colors

XYZ(20.5889, 18.1321, 12.7872)

Have a look what the booklet for
XYZ(20.5889, 18.1321, 12.7872)
contains.

XYZ(20.5599, 18.1757, 12.7806)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(20.5599, 18.1757,
12.7806)**

Conversions

Conversions Part 1

Format	Color
Hex	9A6B5D
RGB	154, 107, 93
RGB Percent	60%, 42%, 36%
CMY	0.3961, 0.5804, 0.6353
CMYK	0.00, 0.31, 0.40, 0.40
HSL	14°, 25%, 48%
HSV	14°, 40%, 60%
XYZ	20.5599, 18.1757, 12.7806
YIQ	119.4570, 32.5060, 5.6100

Conversions

Conversions Part 2

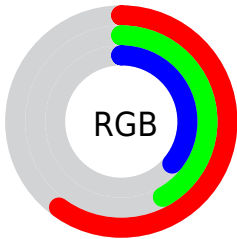
Format	Color
R_{YB}	154, 111, 93
Decimal	10120029
CIE Lab	49.71, 16.92, 15.37
CIE LCh	50, 22.855, 42.246
Yxy	18.1757, 0.3991, 0.3528
Android (android.graphics.Color)	4288310109 (0xFF9A6B5D)
YUV	119.4570, -13.0433, 30.2942
Hunter-Lab	42.6330, 11.4746, 12.0690

Details

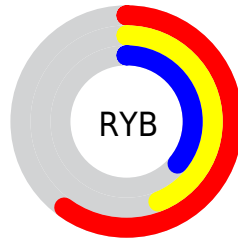
The XYZ color **20.5599, 18.1757, 12.7806** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **19.7247, 23.4156, 34.0519**, and the grayscale version is **17.7128, 18.6353, 20.2938**.

A 20% lighter version of the original color is **43.9344, 40.4811, 31.4846**, and **7.4439, 6.0999, 3.4744** is the 20% darker color. If you saturate the color by 10%, you get **18.7921, 15.6239, 9.1582**, and if you desaturate by 10%, it is **22.6358, 21.1237, 17.1838**.

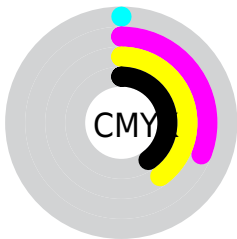
Distribution



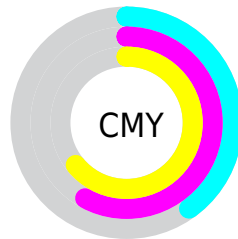
- Red (60%)
- Green (42%)
- Blue (36%)



- Red (60%)
- Yellow (44%)
- Blue (36%)



- Cyan (0%)
- Magenta (31%)
- Yellow (40%)
- Black (40%)



- Cyan (40%)
- Magenta (58%)
- Yellow (64%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.5599, 18.1757, 12.7806 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 20.5599, 18.1757, 12.7806 by changing the saturation by 10% instead.

■ 20.5599, 18.1757,
12.7806

■ 20.5599, 18.1757,
12.7806

247.7065,
241.8595, 220.6650

■ 12.9133, 11.0762,
7.1487

■ 43.8507, 40.3365,
31.5944

■ 7.4455, 6.1181,
3.4754

■ 60.2257, 56.1666,
45.6135

■ 3.7910, 2.9170,
1.3422

■ 80.2408, 75.6756,
63.2653

■ 1.5846, 1.0886,
0.0960

■ 104.2615, 99.2481,
84.9684

■ 0.3823, 0.0000,
0.0000

132.6530,
127.2683, 111.1414

■ 0.0000, 0.0000,
0.0000

165.7808,

160.1207, 142.2028

204.0102,
198.1896, 178.5711

■ 20.5599, 18.1757,
12.7806

■ 20.5599, 18.1757,
12.7806

■ 18.7921, 15.6239,
9.1582

■ 22.6358, 21.1237,
17.1838

■ 17.3158, 13.4486,
6.2696

■ 25.0325, 24.4813,
22.4089

■ 16.1149, 11.6324,
4.0643

■ 27.7636, 28.2645,
28.4955

■ 15.1712, 10.1553,
2.4848

■ 30.8415, 32.4876,
35.4802

■ 14.4639, 8.9953,
1.4642

■ 34.2781, 37.1641,
43.3975

■ 13.9550, 8.1219,
0.8494

■ 38.0846, 42.3073,
52.2801

■ 13.9379, 8.0929,
0.8275

■ 42.2715, 47.9295,
62.1591

■ 46.8494, 54.0429,
73.0642

■ 51.8280, 60.6590,
85.0239

Harmonies

Analogous

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



21.6931, 18.1757, 17.3569



20.5599, 18.1757, 12.7806



18.5823, 18.1757, 10.4347

Triad

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



20.5599, 18.1757, 12.7806



13.5908, 18.1757, 16.3581



18.1778, 18.1757, 33.9540

Complementary

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



20.5599, 18.1757, 12.7806



19.7247, 23.4156, 34.0519

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.



16.0313, 18.1757, 33.5288



20.5599, 18.1757, 12.7806



13.5024, 18.1757, 22.4410

Square

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



20.5599, 18.1757, 12.7806



14.6136, 18.1757, 12.1822



14.3609, 18.1757, 28.9842



20.2424, 18.1757, 30.0464

Rectangle

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



20.5599, 18.1757, 12.7806



17.1121, 18.1757, 10.0727



14.3609, 18.1757, 28.9842



17.4399, 18.1757, 34.3328

Sweetspot

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



20.5604, 18.1766, 12.7810



49.0694, 49.4603, 48.6999



22.0325, 16.6156, 27.1608



10.9703, 11.0066, 10.7181



74.8435, 78.7412, 85.7492



12.6291, 13.2868, 14.4694

Same Dimension

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



20.5604, 18.1766, 12.7810



34.3288, 28.6611, 17.0212



24.2077, 25.4713, 13.9967



6.3182, 6.4414, 6.5162



11.3792, 6.6408, 0.6821



0.1941, 0.1472, 0.0182

Inverse Universe

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



19.7247, 23.4156, 34.0519



32.5632, 39.5681, 61.4574



15.9537, 15.8736, 32.7949



6.2643, 6.7860, 7.9086



10.1204, 12.6374, 26.8136



0.1777, 0.2417, 0.4097

Previews

White Background



This preview shows how the XYZ color 20.5599, 18.1757, 12.7806 looks on a white 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

Black Background



This preview shows how the XYZ color 20.5599, 18.1757, 12.7806 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 20.5599, 18.1757, 12.7806

Background



This preview shows how black text looks on a background with the XYZ color 20.5599, 18.1757, 12.7806.



This preview shows how white text looks on a background with the XYZ color 20.5599, 18.1757,

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

20.5599, 18.1757, 12.7806

Protanopia

17.1405, 18.1987, 14.1646

Deuteranopia

18.5965, 18.2963, 12.6766



Tritanopia

21.5852, 18.1384, 17.6926

Trichromacy



Original Color

20.5599, 18.1757, 12.7806

Protanomaly

18.2820, 18.1134, 13.5990

Deuteranomaly

19.1178, 18.0709, 12.6056

Tritanomaly

21.1189, 18.0916, 15.7435

Monochromacy



Original Color

20.5599, 18.1757, 12.7806

Achromatopsia

17.5343, 18.4475, 20.0893

Achromatomaly

18.4609, 18.2928, 17.3097

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.5599, 18.1757, 12.7806 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(154, 107, 93)` looks like.

```
.text, #text, p{  
    color:rgb(154, 107, 93)  
}
```

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(154, 107, 93) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(154, 107, 93) }
```

Border

The CSS property to change the border of an element to XYZ 20.5599, 18.1757, 12.7806 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(154, 107, 93) }
```


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

```
.border{ border-color:rgb(154, 107, 93) }
```

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

Here you see how a box with a 4 pixel rgb(154, 107, 93) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(154, 107, 93); -webkit-box-  
shadow:4px 4px 4px 4px rgb(154, 107, 93);  
box-shadow:4px 4px 4px 4px rgb(154, 107,  
93) }
```

Background

The CSS property to change the background color of an element to XYZ 20.5599, 18.1757, 12.7806 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(154, 107, 93) }
```

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

```
.background{ background-color: rgb(154,  
107, 93) }
```

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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