

Converting Colors

XYZ(20.1449, 16.2396, 9.7257)

Have a look what the booklet for
XYZ(20.1449, 16.2396, 9.7257)
contains.

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Color

**XYZ(20.2381, 16.3407,
9.6768)**

Conversions

Conversions Part 1

Format	Color
Hex	A15F50
RGB	161, 95, 80
RGB Percent	63%, 37%, 31%
CMY	0.3686, 0.6274, 0.6863
CMYK	0.00, 0.41, 0.50, 0.37
HSL	11°, 34%, 47%
HSV	11°, 50%, 63%
XYZ	20.2381, 16.3407, 9.6768
YIQ	113.0240, 44.1510, 9.3270

Conversions

Conversions Part 2

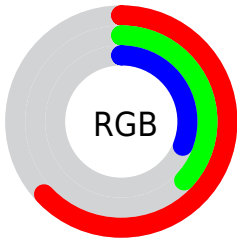
Format	Color
R_{YB}	161, 98, 80
Decimal	10575696
CIE Lab	47.42, 25.22, 20.09
CIE LCh	47, 32.240, 38.544
Yxy	16.3407, 0.4375, 0.3533
Android (android.graphics.Color)	4288765776 (0xFFA15F50)
YUV	113.0240, -16.2808, 42.0750
Hunter-Lab	40.4236, 18.6247, 14.1034

Details

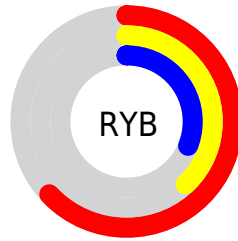
The XYZ color **20.2381, 16.3407, 9.6768** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **20.0195, 24.8351, 37.4565**, and the grayscale version is **15.7412, 16.5610, 18.0349**.

A 20% lighter version of the original color is **43.1548, 37.0482, 25.6454**, and **7.2637, 5.2186, 2.2145** is the 20% darker color. If you saturate the color by 10%, you get **18.6293, 13.9637, 6.5491**, and if you desaturate by 10%, it is **22.1893, 19.1744, 13.6222**.

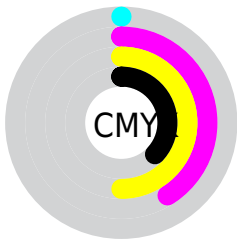
Distribution



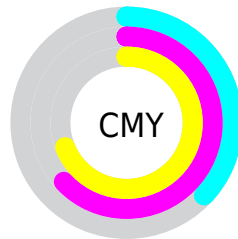
- Red (63%)
- Green (37%)
- Blue (31%)



- Red (63%)
- Yellow (38%)
- Blue (31%)



- Cyan (0%)
- Magenta (41%)
- Yellow (50%)
- Black (37%)



- Cyan (37%)
- Magenta (63%)
- Yellow (69%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.2381, 16.3407, 9.6768 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 20.2381, 16.3407, 9.6768 by changing the saturation by 10% instead.

■ 20.2381, 16.3407,
9.6768

■ 20.2381, 16.3407,
9.6768

246.0103,
231.3438, 198.7498

■ 12.6775, 9.7656,
5.0824

■ 43.3169, 37.1887,
25.7840

■ 7.2823, 5.2438,
2.2361

■ 59.5659, 52.2303,
38.1340

■ 3.6872, 2.3910,
0.6951

■ 79.4416, 70.8629,
53.9061

■ 1.5267, 0.8213,
0.0000

■ 103.3096, 93.4708,
73.5191

■ 0.3439, 0.0000,
0.0000

■ 131.5350,
120.4384, 97.3914

■ 0.0000, 0.0000,
0.0000

164.4834,

152.1502, 125.9416

202.5200,
188.9906, 159.5882

■ 20.2381, 16.3407,
9.6768

■ 20.2381, 16.3407,
9.6768

■ 18.6293, 13.9637,
6.5491

■ 22.1893, 19.1744,
13.6222

■ 17.3412, 12.0167,
4.1803

■ 24.5003, 22.4845,
18.4365

■ 16.3519, 10.4744,
2.5052

■ 27.1886, 26.2927,
24.1680

■ 15.6355, 9.3073,
1.4471

■ 30.2704, 30.6185,
30.8609

■ 15.1577, 8.4967,
0.8411

■ 33.7608, 35.4804,
38.5568

■ 37.6741, 40.8958,
47.2946

■ 42.0240, 46.8817,
57.1112

■ 46.8235, 53.4541,
68.0419

■ 52.0851, 60.6283,
80.1202

Harmonies

Analogous

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



21.6242, 16.3407, 15.5548



20.2381, 16.3407, 9.6768



17.6294, 16.3407, 6.7965

Triad

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



20.2381, 16.3407, 9.6768



10.9577, 16.3407, 12.6340



16.3622, 16.3407, 38.3351

Complementary

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



20.2381, 16.3407, 9.6768



20.0195, 24.8351, 37.4565

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.



13.6067, 16.3407, 36.8273



20.2381, 16.3407, 9.6768



10.7061, 16.3407, 20.2345

Square

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



20.2381, 16.3407, 9.6768



12.3525, 16.3407, 8.1033



11.6175, 16.3407, 29.5113



19.2135, 16.3407, 33.1586

Rectangle

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



20.2381, 16.3407, 9.6768



15.6714, 16.3407, 6.2408



11.6175, 16.3407, 29.5113



15.3922, 16.3407, 38.6188

Sweetspot

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



20.2385, 16.3415, 9.6771



51.3782, 50.8659, 49.0903



22.7665, 15.3944, 29.0268



11.0323, 10.8246, 10.2553



76.7382, 80.7346, 87.9200



13.3056, 13.9985, 15.2444

Same Dimension

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



20.2385, 16.3415, 9.6771



33.1542, 24.6948, 11.3329



24.8587, 25.5820, 11.2172



7.1750, 7.2884, 7.4087



12.1290, 6.8320, 0.6794



0.2825, 0.1989, 0.0235

Inverse Universe

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



20.0195, 24.8351, 37.4565



32.6744, 41.5355, 66.6816



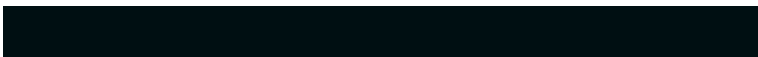
14.8594, 14.5149, 35.7365



7.1641, 7.7871, 9.0285



11.6665, 15.1125, 29.2319



0.2724, 0.3721, 0.6233

Previews

White Background



This preview shows how the XYZ color 20.2381, 16.3407, 9.6768 looks on a white background.

Color Contrast Check

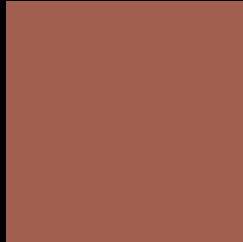
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.2381, 16.3407, 9.6768 looks on a black 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

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

XYZ 20.2381, 16.3407, 9.6768

Background



This preview shows how black text looks on a background with the XYZ color 20.2381, 16.3407, 9.6768.



This preview shows how white text looks on a background with the XYZ color 20.2381, 16.3407,

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

20.2381, 16.3407, 9.6768

Protanopia

15.4123, 16.5079, 11.6065

Deuteranopia

16.7294, 16.4261, 9.4965



Tritanopia

20.9796, 16.2365, 13.8326

Trichromacy



Original Color

20.2381, 16.3407, 9.6768

Protanomaly

16.7854, 16.1148, 10.8201

Deuteranomaly

17.7631, 16.1943, 9.5867

Tritanomaly

20.7464, 16.2828, 12.1747

Monochromacy



Original Color

20.2381, 16.3407, 9.6768

Achromatopsia

15.6958, 16.5132, 17.9829

Achromatomaly

16.7089, 15.9935, 14.5183

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.2381, 16.3407, 9.6768 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(161, 95, 80)` looks like.

```
.text, #text, p{  
    color:rgb(161, 95, 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(161, 95, 80) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(161, 95, 80) }
```

Border

The CSS property to change the border of an element to XYZ 20.2381, 16.3407, 9.6768 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(161, 95, 80) }
```


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

```
.border{ border-color:rgb(161, 95, 80) }
```

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

Here you see how a box with a 4 pixel rgb(161, 95, 80) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(161, 95, 80); -webkit-box-  
shadow:4px 4px 4px 4px rgb(161, 95, 80);  
box-shadow:4px 4px 4px 4px rgb(161, 95,  
80) }
```

Background

The CSS property to change the background color of an element to XYZ 20.2381, 16.3407, 9.6768 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(161, 95, 80) }
```

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

```
.background{ background-color: rgb(161, 95,  
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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