

Converting Colors

XYZ(20.4571, 18.1702, 7.3378)

Have a look what the booklet for
XYZ(20.4571, 18.1702, 7.3378)
contains.

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Color

**XYZ(20.4812, 18.2565,
7.2949)**

Conversions

Conversions Part 1

Format	Color
Hex	9F6B40
RGB	159, 107, 64
RGB Percent	62%, 42%, 25%
CMY	0.3765, 0.5804, 0.7490
CMYK	0.00, 0.33, 0.60, 0.38
HSL	27°, 43%, 44%
HSV	27°, 60%, 62%
XYZ	20.4812, 18.2565, 7.2949
YIQ	117.6460, 44.7950, -2.3490

Conversions

Conversions Part 2

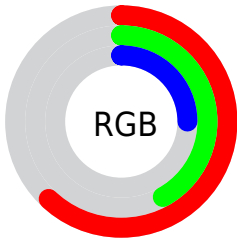
Format	Color
R_{YB}	159, 143, 64
Decimal	10447680
CIE _{Lab}	49.81, 16.12, 32.23
CIE _{LCh}	50, 36.033, 63.432
Yxy	18.2565, 0.4449, 0.3966
Android (android.graphics.Color)	4288637760 (0xFF9F6B40)
YUV	117.6460, -26.4475, 36.2675
Hunter-Lab	42.7276, 10.7894, 19.7867

Details

The XYZ color **20.4812, 18.2565, 7.2949** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **14.6174, 16.0832, 35.1347**, and the grayscale version is **17.1799, 18.0745, 19.6832**.

A 20% lighter version of the original color is **43.6977, 40.5875, 21.1538**, and **7.3821, 6.1147, 1.3634** is the 20% darker color. If you saturate the color by 10%, you get **19.2296, 16.3771, 4.9549**, and if you desaturate by 10%, it is **21.9540, 20.3720, 10.3454**.

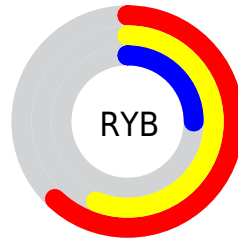
Distribution



Red (62%)

Green (42%)

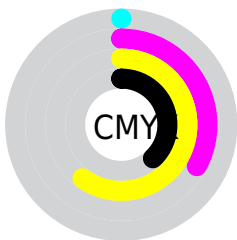
Blue (25%)



Red (62%)

Yellow (56%)

Blue (25%)

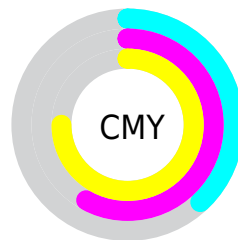


Cyan (0%)

Magenta (33%)

Yellow (60%)

Black (38%)



Cyan (38%)

Magenta (58%)

Yellow (75%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.4812, 18.2565, 7.2949 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 20.4812, 18.2565, 7.2949 by changing the saturation by 10% instead.

■ 20.4812, 18.2565,
7.2949

■ 20.4812, 18.2565,
7.2949

247.2926,
242.3129, 179.8149

■ 12.8556, 11.1343,
3.5660

■ 43.7203, 40.4739,
21.0869

■ 7.4055, 6.1572,
1.3904

■ 60.0645, 56.3379,
31.9872

■ 3.7655, 2.9409,
0.1342

■ 80.0457, 75.8846,
46.1149

■ 1.5704, 1.1010,
0.0000

■ 104.0291, 99.4985,
63.8886

■ 0.3730, 0.0000,
0.0000

■ 132.3801,
127.5638, 85.7270

■ 0.0000, 0.0000,
0.0000

■ 165.4641,

160.4651, 112.0484

203.6465,
198.5866, 143.2716

■ 20.4812, 18.2565,
7.2949

■ 20.4812, 18.2565,
7.2949

■ 19.2296, 16.3771,
4.9549

■ 21.9540, 20.3720,
10.3454

■ 18.1839, 14.7212,
3.2640

■ 23.6593, 22.7299,
14.1588

■ 17.3286, 13.2788,
2.1519

■ 25.6089, 25.3399,
18.7836

■ 16.6302, 12.0317,
1.4574

■ 27.8135, 28.2098,
24.2639

■ 16.6137, 12.0024,
1.4410

■ 30.2830, 31.3474,
30.6407

■ 33.0268, 34.7599,
37.9524

■ 36.0537, 38.4544,
46.2350

■ 39.3722, 42.4375,
55.5225

■ 42.9903, 46.7157,
65.8476

Harmonies

Analogous

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



23.4769, 18.2565, 11.1629



20.4812, 18.2565, 7.2949



16.9593, 18.2565, 6.3329

Triad

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



20.4812, 18.2565, 7.2949



11.5528, 18.2565, 21.0338



21.2567, 18.2565, 40.2429

Complementary

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



20.4812, 18.2565, 7.2949



14.6174, 16.0832, 35.1347

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.



17.7512, 18.2565, 45.4102



20.4812, 18.2565, 7.2949



12.3978, 18.2565, 32.2452

Square

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



20.4812, 18.2565, 7.2949



12.0841, 18.2565, 12.5538



14.5594, 18.2565, 42.0850



23.9645, 18.2565, 29.6091

Rectangle

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



20.4812, 18.2565, 7.2949



14.8531, 18.2565, 7.0727



14.5594, 18.2565, 42.0850



20.1171, 18.2565, 42.8112

Sweetspot

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



20.4816, 18.2574, 7.2952



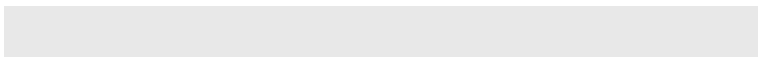
50.4042, 51.2817, 44.9608



19.2985, 12.3047, 17.9574



11.1026, 11.2260, 9.4746



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.



20.4816, 18.2574, 7.2952



33.7191, 28.2106, 7.6489



26.8203, 30.9348, 9.4081



6.8680, 7.1159, 6.9972



13.1629, 9.5614, 1.1518



0.2771, 0.2544, 0.0345

Inverse Universe

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



14.6174, 16.0832, 35.1347



22.2088, 23.9096, 62.1879



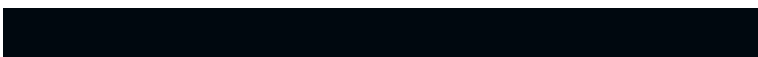
10.4853, 7.8190, 33.7573



6.5705, 7.0067, 8.4128



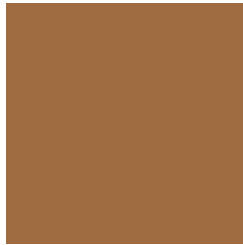
7.6784, 7.4484, 26.9402



0.1793, 0.2171, 0.4957

Previews

White Background



This preview shows how the XYZ color 20.4812, 18.2565, 7.2949 looks on a white background.

Color Contrast Check

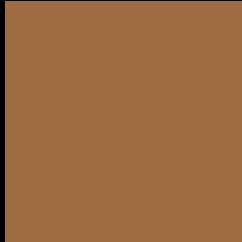
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.4812, 18.2565, 7.2949 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

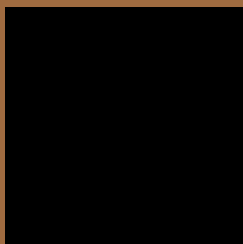
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 20.4812, 18.2565, 7.2949

Background



This preview shows how black text looks on a background with the XYZ color 20.4812, 18.2565, 7.2949.



This preview shows how white text looks on a background with the XYZ color 20.4812, 18.2565,

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

20.4812, 18.2565, 7.2949

Protanopia

16.8461, 18.3568, 8.1242

Deuteranopia

18.6564, 18.2801, 7.2477



Tritanopia

22.4120, 18.2883, 16.8167

Trichromacy



Original Color

20.4812, 18.2565, 7.2949

Protanomaly

18.1284, 18.3294, 7.8927

Deuteranomaly

19.3441, 18.3071, 7.2167

Tritanomaly

21.6240, 18.2680, 12.7423

Monochromacy



Original Color

20.4812, 18.2565, 7.2949

Achromatopsia

17.2197, 18.1164, 19.7288

Achromatomaly

17.8948, 17.9030, 14.0677

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.4812, 18.2565, 7.2949 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(159, 107, 64)` looks like.

```
.text, #text, p{  
    color:rgb(159, 107, 64)  
}
```

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(159, 107, 64) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 107, 64) }
```

Border

The CSS property to change the border of an element to XYZ 20.4812, 18.2565, 7.2949 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(159, 107, 64) }
```


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

```
.border{ border-color:rgb(159, 107, 64) }
```

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

Here you see how a box with a 4 pixel rgb(159, 107, 64) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(159, 107, 64); -webkit-box-  
shadow:4px 4px 4px 4px rgb(159, 107, 64);  
box-shadow:4px 4px 4px 4px rgb(159, 107,  
64) }
```

Background

The CSS property to change the background color of an element to XYZ 20.4812, 18.2565, 7.2949 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(159, 107, 64) }
```

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

```
.background{ background-color: rgb(159,  
107, 64) }
```

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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