

Converting Colors

XYZ(20.7051, 19.2767, 4.6371)

Have a look what the booklet for
XYZ(20.7051, 19.2767, 4.6371)
contains.

XYZ(20.6744, 19.2151, 4.6267)	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(20.6744, 19.2151,
4.6267)**

Conversions

Conversions Part 1

Format	Color
Hex	A07028
RGB	160, 112, 40
RGB Percent	63%, 44%, 16%
CMY	0.3726, 0.5608, 0.8431
CMYK	0.00, 0.30, 0.75, 0.37
HSL	36°, 60%, 39%
HSV	36°, 75%, 63%
XYZ	20.6744, 19.2151, 4.6267
YIQ	118.1440, 51.7200, -12.2160

Conversions

Conversions Part 2

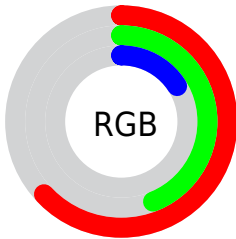
Format	Color
R_{YB}	120, 160, 40
Decimal	10514472
CIE Lab	50.94, 12.18, 45.62
CIE LCh	51, 47.216, 75.056
Yxy	19.2151, 0.4644, 0.4316
Android (android.graphics.Color)	4288704552 (0xFFFA07028)
YUV	118.1440, -38.5250, 36.7077
Hunter-Lab	43.8350, 7.4766, 24.4266

Details

The XYZ color **20.6744, 19.2151, 4.6267** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **10.7098, 9.9683, 34.6172**, and the grayscale version is **17.3711, 18.2758, 19.9023**.

A 20% lighter version of the original color is **44.0344, 42.1945, 15.4964**, and **7.5423, 6.6098, 0.8783** is the 20% darker color. If you saturate the color by 10%, you get **19.7754, 17.7663, 3.2512**, and if you desaturate by 10%, it is **21.7371, 20.8113, 6.6130**.

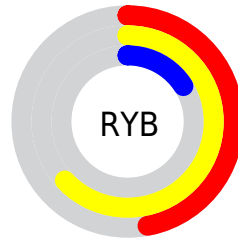
Distribution



Red (63%)

Green (44%)

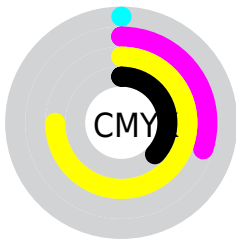
Blue (16%)



Red (47%)

Yellow (63%)

Blue (16%)

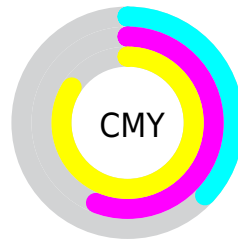


Cyan (0%)

Magenta (30%)

Yellow (75%)

Black (37%)



Cyan (37%)


Magenta (56%)


Yellow (84%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 20.6744, 19.2151, 4.6267 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 20.6744, 19.2151, 4.6267 by changing the saturation by 10% instead.


 20.6744, 19.2151,
4.6267


 20.6744, 19.2151,
4.6267


248.3076,
247.6337, 154.9554


 12.9973, 11.8258,
1.9751


 44.0404, 42.0973,
15.4311

 7.5037, 6.6252,
0.5399


 60.4600, 58.3589,
24.4210

 3.8282, 3.2288,
0.0000


 80.5245, 78.3468,
36.3607

 1.6054, 1.2523,
0.0000

 104.5992,
102.4453, 51.6687

 0.3959, 0.1038,
0.0000

 133.0495,
131.0389, 70.7637

 0.0000, 0.0000,
0.0000

 166.2408,

164.5119, 94.0641

204.5384,
203.2487, 121.9885

■ 20.6744, 19.2151,
4.6267

■ 20.6744, 19.2151,
4.6267

■ 19.7754, 17.7663,
3.2512

■ 21.7371, 20.8113,
6.6130

■ 19.0223, 16.4537,
2.4031

■ 22.9757, 22.5589,
9.2746

■ 18.6804, 15.8401,
2.0729

■ 24.4023, 24.4653,
12.6691

■ 26.0275, 26.5361,
16.8474

■ 27.8610, 28.7768,
21.8560

■ 29.9117, 31.1922,
27.7375

■ 32.1881, 33.7872,
34.5317

■ 34.6980, 36.5664,
42.2760

■ 37.4489, 39.5340,
51.0055

Harmonies

Analogous

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



25.3576, 19.2151, 7.5018



20.6744, 19.2151, 4.6267



16.0318, 19.2151, 4.6315

Triad

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



20.6744, 19.2151, 4.6267



10.9012, 19.2151, 28.3265



25.3731, 19.2151, 44.8088

Complementary

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



20.6744, 19.2151, 4.6267



10.7098, 9.9683, 34.6172

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.



20.6929, 19.2151, 56.8054



20.6744, 19.2151, 4.6267



12.6336, 19.2151, 44.8682

Square

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



20.6744, 19.2151, 4.6267



10.8980, 19.2151, 14.9743



16.0475, 19.2151, 56.8309



28.3682, 19.2151, 28.2667

Rectangle

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



20.6744, 19.2151, 4.6267



13.5823, 19.2151, 6.1556



16.0475, 19.2151, 56.8309



23.9126, 19.2151, 49.7673

Sweetspot

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



20.6748, 19.2161, 4.6271



51.5080, 53.3489, 42.2790



17.0175, 9.6959, 10.2073



11.0996, 11.4653, 8.7173



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.



20.6748, 19.2161, 4.6271



34.9589, 30.6268, 4.7741



25.1665, 31.5906, 6.7789



6.9473, 7.2747, 7.0237



14.5957, 12.4271, 1.6294



0.3016, 0.3034, 0.0427

Inverse Universe

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



10.7098, 9.9683, 34.6172



16.0277, 13.1655, 62.0830



8.5203, 4.7859, 33.7323



6.4916, 6.8489, 8.3865



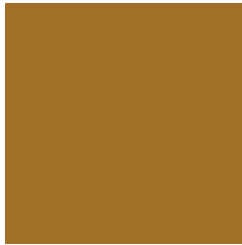
6.4116, 4.9148, 26.5180



0.1548, 0.1682, 0.4875

Previews

White Background



This preview shows how the XYZ color 20.6744, 19.2151, 4.6267 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 20.6744, 19.2151, 4.6267 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 20.6744, 19.2151, 4.6267

Background



This preview shows how black text looks on a background with the XYZ color 20.6744, 19.2151, 4.6267.



This preview shows how white text looks on a background with the XYZ color 20.6744, 19.2151,

4.6267.

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

20.6744, 19.2151, 4.6267

Protanopia

17.5489, 19.3277, 5.0912

Deuteranopia

19.5605, 19.3127, 4.6162



Tritanopia

23.5493, 19.2947, 18.1059

Trichromacy



Original Color

20.6744, 19.2151, 4.6267

Protanomaly

18.5734, 19.1438, 4.9067

Deuteranomaly

20.0145, 19.3765, 4.6046

Tritanomaly

22.1465, 19.1835, 11.3396

Monochromacy



Original Color

20.6744, 19.2151, 4.6267

Achromatopsia

17.2197, 18.1164, 19.7288

Achromatomaly

17.7637, 18.2155, 12.2526

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.6744, 19.2151, 4.6267 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(160, 112, 40)` looks like.

```
.text, #text, p{  
    color:rgb(160, 112, 40)  
}
```

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(160, 112, 40) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(160, 112, 40) }
```

Border

The CSS property to change the border of an element to XYZ 20.6744, 19.2151, 4.6267 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(160, 112, 40) }
```


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

```
.border{ border-color:rgb(160, 112, 40) }
```

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

Here you see how a box with a 4 pixel rgb(160, 112, 40) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(160, 112, 40); -webkit-box-  
shadow:4px 4px 4px 4px rgb(160, 112, 40);  
box-shadow:4px 4px 4px 4px rgb(160, 112,  
40) }
```

Background

The CSS property to change the background color of an element to XYZ 20.6744, 19.2151, 4.6267 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(160, 112, 40) }
```

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

```
.background{ background-color: rgb(160,  
112, 40) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor