

Converting Colors

XYZ(20.2751, 16.7662, 3.6064)

Have a look what the booklet for
XYZ(20.2751, 16.7662, 3.6064)
contains.

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Color

**XYZ(20.2751, 16.7662,
3.6064)**

Conversions

Conversions Part 1

Format	Color
Hex	A66121
RGB	166, 97, 33
RGB Percent	65%, 38%, 13%
CMY	0.3490, 0.6196, 0.8706
CMYK	0.00, 0.42, 0.80, 0.35
HSL	29°, 67%, 39%
HSV	29°, 80%, 65%
XYZ	20.2751, 16.7662, 3.6064
YIQ	110.3350, 61.6680, -5.2760

Conversions

Conversions Part 2

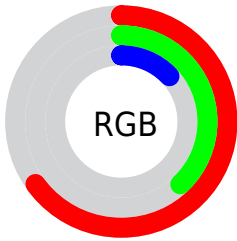
Format	Color
R_{YB}	166, 156, 33
Decimal	10903841
CIE _{Lab}	47.96, 23.05, 46.05
CIE _{LCh}	48, 51.498, 63.417
Yxy	16.7662, 0.4988, 0.4125
Android (android.graphics.Color)	4289093921 (0xFFA66121)
YUV	110.3350, -38.1262, 48.8182
Hunter-Lab	40.9466, 16.7296, 23.4406

Details

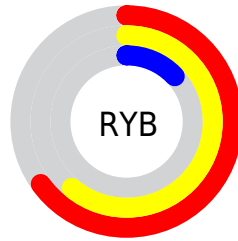
The XYZ color **20.2751, 16.7662, 3.6064** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **12.2611, 12.5785, 37.8578**, and the grayscale version is **15.0117, 15.7935, 17.1991**.

A 20% lighter version of the original color is **43.4769, 37.9578, 13.0177**, and **7.4473, 5.5324, 0.6753** is the 20% darker color. If you saturate the color by 10%, you get **19.3445, 15.1898, 2.4185**, and if you desaturate by 10%, it is **21.4075, 18.5630, 5.4275**.

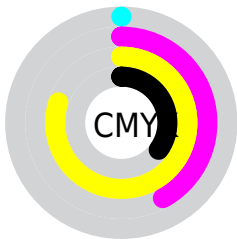
Distribution



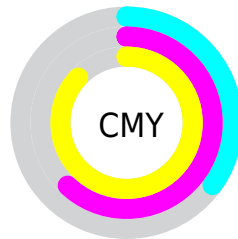
- Red (65%)
- Green (38%)
- Blue (13%)



- Red (65%)
- Yellow (61%)
- Blue (13%)



- Cyan (0%)
- Magenta (42%)
- Yellow (80%)
- Black (35%)



- Cyan (35%)
- Magenta (62%)
- Yellow (87%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.2751, 16.7662, 3.6064 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 20.2751, 16.7662, 3.6064 by changing the saturation by 10% instead.

■ 20.2751, 16.7662,
3.6064

■ 20.2751, 16.7662,
3.6064

246.2058,
233.8214, 143.7445

■ 12.7046, 10.0679,
1.4120

■ 43.3784, 37.9234,
13.0913

■ 7.3010, 5.4440,
0.1511

■ 59.6418, 53.1510,
21.2189

■ 3.6991, 2.5101,
0.0000

■ 79.5337, 71.9906,
32.1613

■ 1.5333, 0.8817,
0.0000

■ 103.4192, 94.8266,
46.3371

■ 0.3483, 0.0000,
0.0000

■ 131.6639,
122.0432, 64.1648

■ 0.0000, 0.0000,
0.0000

■ 164.6329,

154.0250, 86.0629

202.6918,
191.1563, 112.4500

20.2751, 16.7662,
3.6064

20.2751, 16.7662,
3.6064

19.3445, 15.1898,
2.4185

21.4075, 18.5630,
5.4275

18.5860, 13.8274,
1.6894

22.7582, 20.5888,
7.9600

24.3425, 22.8545,
11.2719

26.1741, 25.3695,
15.4225

28.2654, 28.1423,
20.4657

■ 30.6278, 31.1812,
26.4505

■ 33.2720, 34.4939,
33.4225

■ 36.2079, 38.0877,
41.4242

■ 39.4452, 41.9698,
50.4957

Harmonies

Analogous

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



24.6116, 16.7662, 7.4830



20.2751, 16.7662, 3.6064



15.4095, 16.7662, 2.7778

Triad

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



20.2751, 16.7662, 3.6064



8.5807, 16.7662, 19.8224



21.3767, 16.7662, 49.0026

Complementary

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



20.2751, 16.7662, 3.6064



12.2611, 12.5785, 37.8578

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.



16.4739, 16.7662, 57.5322



20.2751, 16.7662, 3.6064



9.5840, 16.7662, 36.2719

Square

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



20.2751, 16.7662, 3.6064



9.2098, 16.7662, 9.0361



12.2645, 16.7662, 52.0055



25.3295, 16.7662, 32.2579

Rectangle

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



20.2751, 16.7662, 3.6064



12.6439, 16.7662, 3.4076



12.2645, 16.7662, 52.0055



19.7545, 16.7662, 53.2152

Sweetspot

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



20.2755, 16.7671, 3.6067



53.6703, 54.1449, 43.0909



18.7650, 10.1929, 14.0575



11.6847, 11.6963, 8.8216



80.6108, 84.8088, 92.3568



14.7206, 15.4872, 16.8656

Same Dimension

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



20.2755, 16.7671, 3.6067



34.0364, 25.6283, 3.4018



28.8444, 33.9048, 6.4630



7.8178, 8.1157, 7.9437



14.4590, 10.8153, 1.3255



0.4033, 0.3661, 0.0494

Inverse Universe

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



12.2611, 12.5785, 37.8578



18.9168, 17.6856, 67.8919



8.1853, 4.4269, 36.4992



7.4416, 7.9201, 9.5549



7.9721, 7.4043, 28.9845



0.2448, 0.2818, 0.7221

Previews

White Background



This preview shows how the XYZ color 20.2751, 16.7662, 3.6064 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 20.2751, 16.7662, 3.6064 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

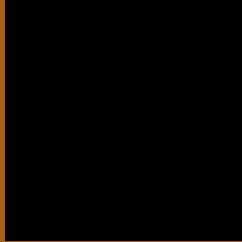
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 20.2751, 16.7662, 3.6064

Background



This preview shows how black text looks on a background with the XYZ color 20.2751, 16.7662, 3.6064.



This preview shows how white text looks on a background with the XYZ color 20.2751, 16.7662,

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

20.2751, 16.7662, 3.6064

Protanopia

15.3827, 16.9906, 4.3025

Deuteranopia

17.1798, 16.9504, 3.4649



Tritanopia

22.2609, 16.7803, 13.3749

Trichromacy



Original Color

20.2751, 16.7662, 3.6064

Protanomaly

16.8363, 16.6033, 3.9864

Deuteranomaly

18.2348, 16.8723, 3.5239

Tritanomaly

21.2988, 16.6479, 8.5694

Monochromacy



Original Color

20.2751, 16.7662, 3.6064

Achromatopsia

14.8208, 15.5926, 16.9804

Achromatomaly

15.7805, 15.4582, 10.1346

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.2751, 16.7662, 3.6064 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(166, 97, 33)` looks like.

```
.text, #text, p{  
    color:rgb(166, 97, 33)  
}
```

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(166, 97, 33) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 97, 33) }
```

Border

The CSS property to change the border of an element to XYZ 20.2751, 16.7662, 3.6064 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(166, 97, 33) }
```


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

```
.border{ border-color:rgb(166, 97, 33) }
```

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

Here you see how a box with a 4 pixel rgb(166, 97, 33) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 97, 33); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 97, 33);  
box-shadow:4px 4px 4px 4px rgb(166, 97,  
33) }
```

Background

The CSS property to change the background color of an element to XYZ 20.2751, 16.7662, 3.6064 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 97, 33) }
```

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

```
.background{ background-color: rgb(166, 97,  
33) }
```

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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