

Converting Colors

XYZ(16.6794, 20.8545, 8.3485)

Have a look what the booklet for
XYZ(16.6794, 20.8545, 8.3485)
contains.

XYZ(16.7070, 20.9503, 8.3175)	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(16.7070, 20.9503,
8.3175)**

Conversions

Conversions Part 1

Format	Color
Hex	758542
RGB	117, 133, 66
RGB Percent	46%, 52%, 26%
CMY	0.5412, 0.4784, 0.7412
CMYK	0.12, 0.00, 0.50, 0.48
HSL	74°, 34%, 39%
HSV	74°, 50%, 52%
XYZ	16.7070, 20.9503, 8.3175
YIQ	120.5780, 11.9710, -24.2290

Conversions

Conversions Part 2

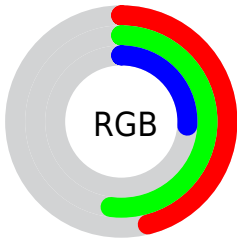
Format	Color
RYB	66, 133, 82
Decimal	7701826
CIELab	52.90, -16.88, 33.92
CIElCh	53, 37.890, 116.449
Yxy	20.9503, 0.3634, 0.4557
Android (android.graphics.Color)	4285891906 (0xFF758542)
YUV	120.5780, -26.9070, -3.1379
Hunter-Lab	45.7715, -14.9460, 21.2660

Details

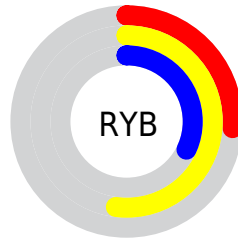
The XYZ color **16.7070, 20.9503, 8.3175** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **9.6623, 7.3843, 23.1076**, and the grayscale version is **18.1195, 19.0632, 20.7598**.

A 20% lighter version of the original color is **37.2889, 44.9248, 23.2290**, and **5.5172, 7.4235, 1.7144** is the 20% darker color. If you saturate the color by 10%, you get **15.9402, 20.5958, 6.4675**, and if you desaturate by 10%, it is **17.5806, 21.3506, 10.6494**.

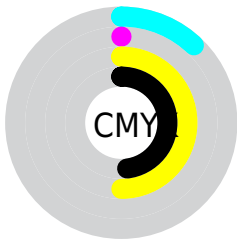
Distribution



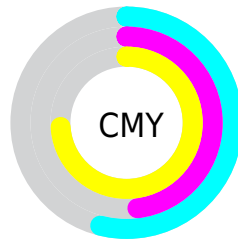
- Red (46%)
- Green (52%)
- Blue (26%)



- Red (26%)
- Yellow (52%)
- Blue (32%)



- Cyan (12%)
- Magenta (0%)
- Yellow (50%)
- Black (48%)



- Cyan (54%)
- Magenta (48%)
- Yellow (74%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.7070, 20.9503, 8.3175 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 16.7070, 20.9503, 8.3175 by changing the saturation by 10% instead.

■ 16.7070, 20.9503,
8.3175

■ 16.7070, 20.9503,
8.3175

226.6675,
257.0143, 188.2282

■ 10.1198, 13.0877,
4.2081

■ 37.3689, 45.0048,
23.1349

■ 5.5413, 7.4890,
1.7402

■ 52.1744, 61.9655,
34.6800

■ 2.6062, 3.7697,
0.3881

■ 70.4500, 82.7276,
49.5408

■ 0.9491, 1.5456,
0.0000

■ 92.5611, 107.6756,
68.1357

■ 0.0000, 0.3205,
0.0000

■ 118.8730,
137.1939, 90.8834

■ 0.0000, 0.0000,
0.0000

149.7512,

171.6668, 118.2023

185.5609,
211.4788, 150.5111

■ 16.7070, 20.9503,
8.3175

■ 16.7070, 20.9503,
8.3175

■ 15.9402, 20.5958,
6.4675

■ 17.5806, 21.3506,
10.6494

■ 15.2720, 20.2817,
5.0643

■ 18.5652, 21.7963,
13.4925

■ 14.6956, 20.0060,
4.0702

■ 19.6670, 22.2906,
16.8751

■ 14.2023, 19.7651,
3.4406

■ 20.8910, 22.8355,
20.8234

■ 13.7812, 19.5563,
3.0484

■ 22.2419, 23.4328,
25.3616

■ 23.7243, 24.0845,
30.5125

■ 25.3422, 24.7922,
36.2980

■ 27.0999, 25.5576,
42.7385

■ 29.0011, 26.3822,
49.8537

Harmonies

Analogous

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



20.3884, 20.9503, 7.2244



16.7070, 20.9503, 8.3175



14.2120, 20.9503, 12.7489

Triad

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



16.7070, 20.9503, 8.3175



15.9902, 20.9503, 46.2682



28.5299, 20.9503, 24.1901

Complementary

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



16.7070, 20.9503, 8.3175



9.6623, 7.3843, 23.1076

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.



26.9642, 20.9503, 37.1274



16.7070, 20.9503, 8.3175



19.4443, 20.9503, 52.2707

Square

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



16.7070, 20.9503, 8.3175



13.8383, 20.9503, 33.9809



23.5041, 20.9503, 48.4683



27.5461, 20.9503, 14.4045

Rectangle

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



16.7070, 20.9503, 8.3175



13.3839, 20.9503, 18.0694



23.5041, 20.9503, 48.4683



28.2796, 20.9503, 28.3177

Sweetspot

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



16.7075, 20.9512, 8.3179



36.2935, 40.3956, 33.6487



13.6467, 11.3599, 6.6280



8.0892, 9.0618, 7.2998



64.0503, 67.3860, 73.3833



8.9945, 9.4630, 10.3052

Same Dimension

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



16.7075, 20.9512, 8.3179



28.4182, 36.8222, 11.2986



13.0158, 19.0481, 8.1452



4.9339, 5.3685, 5.0055



13.1335, 18.6305, 2.9038



0.0520, 0.0679, 0.0104

Inverse Universe

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



9.6623, 7.3843, 23.1076



14.3696, 9.7241, 40.8580



13.2704, 9.2443, 23.2764



4.5310, 4.5943, 5.8487



4.5996, 1.9053, 21.2620



0.0216, 0.0095, 0.0739

Previews

White Background



This preview shows how the XYZ color 16.7070, 20.9503, 8.3175 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 16.7070, 20.9503, 8.3175 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 16.7070, 20.9503, 8.3175

Background



This preview shows how black text looks on a background with the XYZ color 16.7070, 20.9503, 8.3175.



This preview shows how white text looks on a background with the XYZ color 16.7070, 20.9503,

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

16.7070, 20.9503, 8.3175

Protanopia

19.0337, 20.7808, 7.8584

Deuteranopia

21.1171, 20.7326, 8.5190



Tritanopia

20.1642, 20.7765, 25.8692

Trichromacy



Original Color

16.7070, 20.9503, 8.3175

Protanomaly

18.1645, 20.9075, 8.0792

Deuteranomaly

19.3615, 20.7473, 8.4530

Tritanomaly

18.5597, 20.7017, 17.7695

Monochromacy



Original Color

16.7070, 20.9503, 8.3175

Achromatopsia

18.1737, 19.1202, 20.8219

Achromatomaly

17.4283, 19.5999, 15.1765

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.7070, 20.9503, 8.3175 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(117, 133, 66)` looks like.

```
.text, #text, p{  
    color:rgb(117, 133, 66)  
}
```

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(117, 133, 66) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 133, 66) }
```

Border

The CSS property to change the border of an element to XYZ 16.7070, 20.9503, 8.3175 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(117, 133, 66) }
```


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

```
.border{ border-color:rgb(117, 133, 66) }
```

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

Here you see how a box with a 4 pixel `rgb(117, 133, 66)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(117, 133, 66); -webkit-box-  
shadow:4px 4px 4px 4px rgb(117, 133, 66);  
box-shadow:4px 4px 4px 4px rgb(117, 133,  
66) }
```

Background

The CSS property to change the background color of an element to XYZ 16.7070, 20.9503, 8.3175 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 133, 66) }
```

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

```
.background{ background-color: rgb(117,  
133, 66) }
```

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