

Converting Colors

XYZ(16.8043, 21.5274, 16.9301)

Have a look what the booklet for
XYZ(16.8043, 21.5274, 16.9301)
contains.

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Color

**XYZ(16.7725, 21.4156,
16.8853)**

Conversions

Conversions Part 1

Format	Color
Hex	65886A
RGB	101, 136, 106
RGB Percent	40%, 53%, 42%
CMY	0.6039, 0.4667, 0.5843
CMYK	0.26, 0.00, 0.22, 0.47
HSL	129°, 15%, 46%
HSV	129°, 26%, 53%
XYZ	16.7725, 21.4156, 16.8853
YIQ	122.1150, -11.2300, -16.7500

Conversions

Conversions Part 2

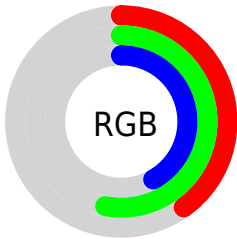
Format	Color
RYB	101, 132, 136
Decimal	6654058
CIELab	53.40, -18.69, 12.21
CIELCh	53, 22.325, 146.857
Yxy	21.4156, 0.3045, 0.3889
Android (android.graphics.Color)	4284844138 (0xFF65886A)
YUV	122.1150, -7.9447, -18.5179
Hunter-Lab	46.2770, -16.2897, 10.7605

Details

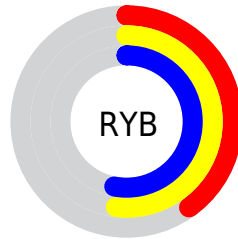
The XYZ color **16.7725, 21.4156, 16.8853** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **18.9045, 16.1808, 23.6004**, and the grayscale version is **18.5644, 19.5312, 21.2695**.

A 20% lighter version of the original color is **37.4203, 45.6018, 38.7281**, and **5.5854, 7.7282, 5.3350** is the 20% darker color. If you saturate the color by 10%, you get **14.8084, 20.4690, 13.8412**, and if you desaturate by 10%, it is **19.0722, 22.5269, 20.3763**.

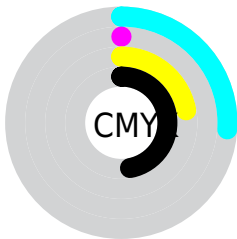
Distribution



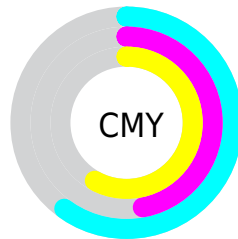
- Red (40%)
- Green (53%)
- Blue (42%)



- Red (40%)
- Yellow (52%)
- Blue (53%)



- Cyan (26%)
- Magenta (0%)
- Yellow (22%)
- Black (47%)



- Cyan (60%)
- Magenta (47%)
- Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.7725, 21.4156, 16.8853 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 16.7725, 21.4156, 16.8853 by changing the saturation by 10% instead.

■ 16.7725, 21.4156,
16.8853

■ 16.7725, 21.4156,
16.8853

227.0398,
259.4790, 246.5321

■ 10.1667, 13.4281,
9.9917

■ 37.4809, 45.7782,
38.9164

■ 5.5728, 7.7240,
5.2879

■ 52.3143, 62.9221,
54.8909

■ 2.6252, 3.9189,
2.3555

■ 70.6209, 83.8869,
74.7295

■ 0.9588, 1.6283,
0.7620

■ 92.7661, 109.0571,
98.8507

■ 0.0000, 0.3766,
0.0000

119.1152,
138.8170, 127.6730

■ 0.0000, 0.0000,
0.0000

150.0336,

173.5510, 161.6150

185.8867,
213.6436, 201.0951

■ 16.7725, 21.4156,
16.8853

■ 16.7725, 21.4156,
16.8853

■ 14.8084, 20.4690,
13.8412

■ 19.0722, 22.5269,
20.3763

■ 13.1625, 19.6768,
11.2246

■ 21.7205, 23.8073,
24.3297

■ 11.8184, 19.0313,
9.0167

■ 24.7316, 25.2647,
28.7620

■ 10.7576, 18.5236,
7.1969

■ 28.1187, 26.9052,
33.6885

■ 9.9594, 18.1435,
5.7426

■ 31.8941, 28.7351,
39.1239

■ 9.4003, 17.8793,
4.6293

■ 36.0697, 30.7602,
45.0822

■ 9.0462, 17.7142,
3.8285

■ 40.6566, 32.9858,
51.5768

■ 8.9258, 17.6576,
3.5733

■ 45.6659, 35.4175,
58.6207

■ 51.1080, 38.0603,
66.2265

Harmonies

Analogous

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



18.3647, 21.4156, 13.5046



16.7725, 21.4156, 16.8853



16.1351, 21.4156, 22.6096

Triad

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



16.7725, 21.4156, 16.8853



20.1060, 21.4156, 38.9287



24.6973, 21.4156, 17.9046

Complementary

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



16.7725, 21.4156, 16.8853



18.9045, 16.1808, 23.6004

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.



25.2528, 21.4156, 24.0409



16.7725, 21.4156, 16.8853



22.4839, 21.4156, 37.0076

Square

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



16.7725, 21.4156, 16.8853



17.9636, 21.4156, 36.0425



24.4142, 21.4156, 31.2064



22.9495, 21.4156, 14.0079

Rectangle

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



16.7725, 21.4156, 16.8853



16.2975, 21.4156, 27.3112



24.4142, 21.4156, 31.2064



25.0353, 21.4156, 19.7342

Sweetspot

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



16.7731, 21.4165, 16.8858



37.0807, 41.3754, 41.0994



20.5658, 23.4009, 15.7450



8.4368, 9.5092, 9.2939



65.7814, 69.2071, 75.3665



9.5508, 10.0482, 10.9424

Same Dimension

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



16.7731, 21.4165, 16.8858



27.4332, 36.7156, 26.4788



17.7572, 21.8102, 22.0682



4.9991, 5.6191, 5.5162



8.4499, 16.7126, 3.3940



0.0593, 0.1123, 0.0395

Inverse Universe

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



18.9045, 16.1808, 23.6004



31.8625, 25.8308, 40.4294



17.8354, 15.7532, 17.9710



5.2037, 5.1169, 6.1609



12.6276, 6.1612, 16.3410



0.0878, 0.0425, 0.1291

Previews

White Background



This preview shows how the XYZ color 16.7725, 21.4156, 16.8853 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 16.7725, 21.4156, 16.8853 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

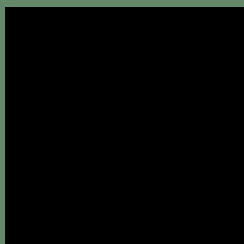
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 16.7725, 21.4156, 16.8853

Background



This preview shows how black text looks on a background with the XYZ color 16.7725, 21.4156, 16.8853.



This preview shows how white text looks on a background with the XYZ color 16.7725, 21.4156,

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

16.7725, 21.4156, 16.8853

Protanopia

19.9793, 21.2889, 15.6265

Deuteranopia

21.5739, 21.1342, 17.4102



Tritanopia

19.1831, 21.3737, 28.7057

Trichromacy



Original Color

16.7725, 21.4156, 16.8853

Protanomaly

18.5992, 21.1555, 15.9351

Deuteranomaly

19.5021, 21.0073, 17.2143

Tritanomaly

18.1757, 21.3633, 23.9344

Monochromacy



Original Color

16.7725, 21.4156, 16.8853

Achromatopsia

18.4984, 19.4618, 21.1939

Achromatomaly

17.6812, 20.0171, 19.4548

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.7725, 21.4156, 16.8853 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(101, 136, 106)` looks like.

```
.text, #text, p{  
    color:rgb(101, 136, 106)  
}
```

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(101, 136, 106) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(101, 136, 106) }
```

Border

The CSS property to change the border of an element to XYZ 16.7725, 21.4156, 16.8853 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(101, 136, 106) }
```


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

```
.border{ border-color:rgb(101, 136, 106) }
```

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

Here you see how a box with a 4 pixel `rgb(101, 136, 106)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(101, 136, 106); -webkit-box-  
shadow:4px 4px 4px 4px rgb(101, 136, 106);  
box-shadow:4px 4px 4px 4px rgb(101, 136,  
106) }
```

Background

The CSS property to change the background color of an element to XYZ 16.7725, 21.4156, 16.8853 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(101, 136, 106) }
```

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

```
.background{ background-color: rgb(101,  
136, 106) }
```

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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