

Converting Colors

XYZ(16.1200, 21.0722, 8.8290)

Have a look what the booklet for
XYZ(16.1200, 21.0722, 8.8290)
contains.

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Color

**XYZ(16.1686, 21.0726,
8.8455)**

Conversions

Conversions Part 1

Format	Color
Hex	6E8745
RGB	110, 135, 69
RGB Percent	43%, 53%, 27%
CMY	0.5686, 0.4706, 0.7294
CMYK	0.19, 0.00, 0.49, 0.47
HSL	83°, 32%, 40%
HSV	83°, 49%, 53%
XYZ	16.1686, 21.0726, 8.8455
YIQ	120.0010, 6.2860, -25.8260

Conversions

Conversions Part 2

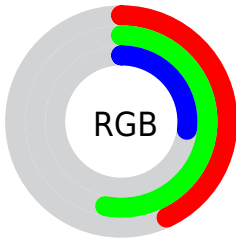
Format	Color
RYB	69, 135, 94
Decimal	7243589
CIELab	53.03, -20.49, 32.40
CIELCh	53, 38.334, 122.319
Yxy	21.0726, 0.3508, 0.4572
Android (android.graphics.Color)	4285433669 (0xFF6E8745)
YUV	120.0010, -25.1435, -8.7709
Hunter-Lab	45.9049, -17.4624, 20.7087

Details

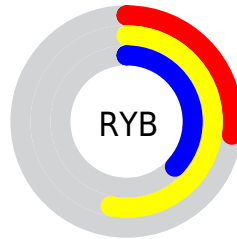
The XYZ color **16.1686, 21.0726, 8.8455** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **11.1182, 8.3858, 23.9554**, and the grayscale version is **17.9299, 18.8636, 20.5425**.

A 20% lighter version of the original color is **36.4173, 45.0849, 24.2356**, and **5.2568, 7.5156, 1.9326** is the 20% darker color. If you saturate the color by 10%, you get **15.1784, 20.6059, 6.8551**, and if you desaturate by 10%, it is **17.2919, 21.5983, 11.3407**.

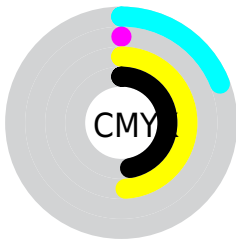
Distribution



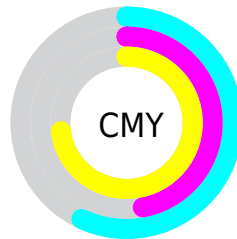
- Red (43%)
- Green (53%)
- Blue (27%)



- Red (27%)
- Yellow (53%)
- Blue (37%)



- Cyan (19%)
- Magenta (0%)
- Yellow (49%)
- Black (47%)



- Cyan (57%)
- Magenta (47%)
- Yellow (73%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.1686, 21.0726, 8.8455 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 16.1686, 21.0726, 8.8455 by changing the saturation by 10% instead.

■ 16.1686, 21.0726,
8.8455

■ 16.1686, 21.0726,
8.8455

223.5854,
257.6641, 192.3966

■ 9.7351, 13.1771,
4.5451

■ 36.4457, 45.2083,
24.1730

■ 5.2846, 7.5506,
1.9289

■ 51.0201, 62.2173,
36.0372

■ 2.4517, 3.8088,
0.5110

■ 69.0389, 83.0329,
51.2597

■ 0.8710, 1.5672,
0.0000

■ 90.8673, 108.0396,
70.2592

■ 0.0000, 0.3353,
0.0000

■ 116.8709,
137.6216, 93.4540

■ 0.0000, 0.0000,
0.0000

147.4148,

172.1634, 121.2628

182.8646,
212.0495, 154.1042

■ 16.1686, 21.0726,
8.8455

■ 16.1686, 21.0726,
8.8455

■ 15.1784, 20.6059,
6.8551

■ 17.2919, 21.5983,
11.3407

■ 14.3127, 20.1923,
5.3338

■ 18.5534, 22.1828,
14.3708

■ 13.5639, 19.8297,
4.2429

■ 19.9595, 22.8296,
17.9649

■ 12.9228, 19.5141,
3.5375

■ 21.5160, 23.5410,
22.1498

■ 12.3673, 19.2368,
3.1043

■ 23.2281, 24.3192,
26.9505

■ 12.3081, 19.2072,
3.0587

■ 25.1009, 25.1661,
32.3904

■ 27.1391, 26.0839,
38.4920

■ 29.3472, 27.0744,
45.2764

■ 31.7297, 28.1394,
52.7641

Harmonies

Analogous

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



19.7172, 21.0726, 7.1564



16.1686, 21.0726, 8.8455



13.9259, 21.0726, 14.1093

Triad

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



16.1686, 21.0726, 8.8455



16.6436, 21.0726, 48.7102



28.8024, 21.0726, 22.0590

Complementary

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



16.1686, 21.0726, 8.8455



11.1182, 8.3858, 23.9554

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.



27.6961, 21.0726, 34.8618



16.1686, 21.0726, 8.8455



20.3438, 21.0726, 52.9913

Square

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



16.1686, 21.0726, 8.8455



14.1732, 21.0726, 36.9560



24.4593, 21.0726, 47.2433



27.3091, 21.0726, 13.0152

Rectangle

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



16.1686, 21.0726, 8.8455



13.2948, 21.0726, 20.1070



24.4593, 21.0726, 47.2433



28.7221, 21.0726, 26.0371

Sweetspot

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



16.1691, 21.0735, 8.8460



36.7008, 41.3206, 34.7090



14.9986, 13.4451, 7.4352



8.3838, 9.5164, 7.7305



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.



16.1691, 21.0735, 8.8460



26.9448, 36.7874, 11.8353



12.8643, 19.3699, 8.6913



4.8733, 5.3373, 5.0027



11.3642, 17.7184, 2.8210



0.0475, 0.0656, 0.0102

Inverse Universe

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



11.1182, 8.3858, 23.9554



16.7721, 11.1952, 42.3253



15.1358, 10.4569, 24.1435



4.5889, 4.6242, 5.8514



5.3121, 2.2726, 21.2954



0.0261, 0.0118, 0.0741

Previews

White Background



This preview shows how the XYZ color 16.1686, 21.0726, 8.8455 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 16.1686, 21.0726, 8.8455 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

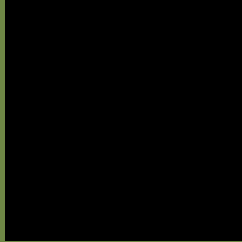
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 16.1686, 21.0726, 8.8455

Background



This preview shows how black text looks on a background with the XYZ color 16.1686, 21.0726, 8.8455.



This preview shows how white text looks on a background with the XYZ color 16.1686, 21.0726,

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

16.1686, 21.0726, 8.8455

Protanopia

19.0917, 20.8040, 8.1636

Deuteranopia

21.3664, 21.0258, 9.2356



Tritanopia

19.7125, 20.9068, 26.6634

Trichromacy



Original Color

16.1686, 21.0726, 8.8455

Protanomaly

17.7655, 20.6950, 8.3684

Deuteranomaly

19.1118, 20.7929, 9.1370

Tritanomaly

18.1097, 20.8481, 18.3988

Monochromacy



Original Color

16.1686, 21.0726, 8.8455

Achromatopsia

17.8524, 18.7821, 20.4537

Achromatomaly

16.8850, 19.3198, 15.1511

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.1686, 21.0726, 8.8455 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(110, 135, 69)` looks like.

```
.text, #text, p{  
    color:rgb(110, 135, 69)  
}
```

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(110, 135, 69) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(110, 135, 69) }
```

Border

The CSS property to change the border of an element to XYZ 16.1686, 21.0726, 8.8455 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(110, 135, 69) }
```


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

```
.border{ border-color:rgb(110, 135, 69) }
```

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

Here you see how a box with a 4 pixel rgb(110, 135, 69) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(110, 135, 69); -webkit-box-  
shadow:4px 4px 4px 4px rgb(110, 135, 69);  
box-shadow:4px 4px 4px 4px rgb(110, 135,  
69) }
```

Background

The CSS property to change the background color of an element to XYZ 16.1686, 21.0726, 8.8455 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(110, 135, 69) }
```

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

```
.background{ background-color: rgb(110,  
135, 69) }
```

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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