

Converting Colors

XYZ(16.3967, 20.4580, 12.2635)

Have a look what the booklet for
XYZ(16.3967, 20.4580, 12.2635)
contains.

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Color

**XYZ(16.4431, 20.5221,
12.3270)**

Conversions

Conversions Part 1

Format	Color
Hex	6E8458
RGB	110, 132, 88
RGB Percent	43%, 52%, 35%
CMY	0.5686, 0.4823, 0.6549
CMYK	0.17, 0.00, 0.33, 0.48
HSL	90°, 20%, 43%
HSV	90°, 33%, 52%
XYZ	16.4431, 20.5221, 12.3270
YIQ	120.4060, 1.0120, -18.3480

Conversions

Conversions Part 2

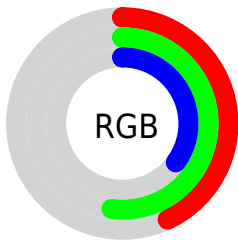
Format	Color
R_{YB}	88, 132, 110
Decimal	7242840
CIE Lab	52.42, -16.32, 21.22
CIE LCh	52, 26.769, 127.570
Yxy	20.5221, 0.3336, 0.4163
Android (android.graphics.Color)	4285432920 (0xFF6E8458)
YUV	120.4060, -15.9762, -9.1261
Hunter-Lab	45.3013, -14.4869, 15.5775

Details

The XYZ color **16.4431, 20.5221, 12.3270** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **14.0858, 11.9609, 23.3972**, and the grayscale version is **18.0326, 18.9717, 20.6601**.

A 20% lighter version of the original color is **36.8367, 44.2143, 30.6375**, and **5.3597, 7.1939, 3.2966** is the 20% darker color. If you saturate the color by 10%, you get **15.1543, 19.9159, 9.6664**, and if you desaturate by 10%, it is **17.8932, 21.2012, 15.5129**.

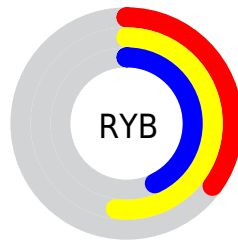
Distribution



Red (43%)

Green (52%)

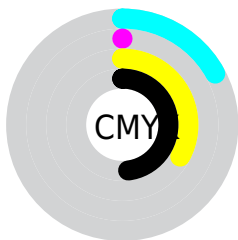
Blue (35%)



Red (35%)

Yellow (52%)

Blue (43%)

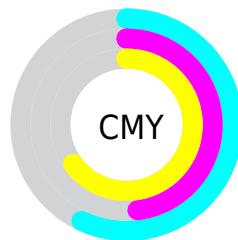


Cyan (17%)

Magenta (0%)

Yellow (33%)

Black (48%)



Cyan (57%)

Magenta (48%)

Yellow (65%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.4431, 20.5221, 12.3270 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 16.4431, 20.5221, 12.3270 by changing the saturation by 10% instead.

■ 16.4431, 20.5221,
12.3270

■ 16.4431, 20.5221,
12.3270

225.1617,
254.7277, 217.6124

■ 9.9311, 12.7751,
6.8416

■ 36.9170, 44.2908,
30.7625

■ 5.4152, 7.2739,
3.2863

■ 51.6096, 61.0813,
44.5497

■ 2.5301, 3.6340,
1.2426

■ 69.7598, 81.6552,
61.9412

■ 0.9105, 1.4710,
0.0140

■ 91.7329, 106.3967,
83.3556

■ 0.0000, 0.2682,
0.0000

■ 117.8943,
135.6903, 109.2113

■ 0.0000, 0.0000,
0.0000

148.6093,

169.9204, 139.9270

184.2433,
209.4714, 175.9212

■ 16.4431, 20.5221,
12.3270

■ 16.4431, 20.5221,
12.3270

■ 15.1543, 19.9159,
9.6664

■ 17.8932, 21.2012,
15.5129

■ 14.0186, 19.3772,
7.5015

■ 19.5092, 21.9533,
19.2489

■ 13.0292, 18.9037,
5.8019


■ 21.2975, 22.7817,
23.5599


■ 12.1782, 18.4922,
4.5332


■ 23.2637, 23.6887,
28.4686


■ 11.4568, 18.1389,
3.6564


■ 25.4130, 24.6766,
33.9967


 10.8543, 17.8395,
3.1240

 27.7506, 25.7475,
40.1649

 10.4982, 17.6615,
2.8557

 30.2812, 26.9036,
46.9927

 33.0095, 28.1467,
54.4990

 35.9399, 29.4789,
62.7017

Harmonies

Analogous

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



18.8143, 20.5221, 10.4039



16.4431, 20.5221, 12.3270



14.9965, 20.5221, 17.0292

Triad

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



16.4431, 20.5221, 12.3270



17.5485, 20.5221, 39.5607



25.2586, 20.5221, 20.4005

Complementary

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



16.4431, 20.5221, 12.3270



14.0858, 11.9609, 23.3972

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.



24.8385, 20.5221, 28.6659



16.4431, 20.5221, 12.3270



20.2137, 20.5221, 41.0696

Square

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



16.4431, 20.5221, 12.3270



15.5915, 20.5221, 32.9622



22.9266, 20.5221, 36.6999



24.0255, 20.5221, 14.2944

Rectangle

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



16.4431, 20.5221, 12.3270



14.6658, 20.5221, 21.7063



22.9266, 20.5221, 36.6999



25.3079, 20.5221, 22.9962

Sweetspot

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



16.4436, 20.5230, 12.3274



35.3104, 39.1080, 36.1569



16.8539, 16.7627, 11.5800



8.1349, 9.0652, 8.2126



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.



16.4436, 20.5230, 12.3274



27.2219, 35.3297, 18.0880



14.0378, 19.2828, 12.2149



4.8216, 5.3106, 5.0003



10.1705, 17.1030, 2.7652



0.0436, 0.0636, 0.0100

Inverse Universe

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



14.0858, 11.9609, 23.3972



22.4027, 17.8295, 40.7138



17.1711, 13.5515, 23.5416



4.6398, 4.6504, 5.8538



6.2146, 2.7379, 21.3376



0.0299, 0.0138, 0.0743

Previews

White Background



This preview shows how the XYZ color 16.4431, 20.5221, 12.3270 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 16.4431, 20.5221, 12.3270 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 16.4431, 20.5221, 12.3270

Background



This preview shows how black text looks on a background with the XYZ color 16.4431, 20.5221, 12.3270.



This preview shows how white text looks on a background with the XYZ color 16.4431, 20.5221,

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

16.4431, 20.5221, 12.3270

Protanopia

18.9650, 20.4740, 11.5466

Deuteranopia

20.8175, 20.4842, 12.7542



Tritanopia

19.2409, 20.4812, 26.2317

Trichromacy



Original Color

16.4431, 20.5221, 12.3270

Protanomaly

18.0031, 20.5458, 11.8210

Deuteranomaly

18.8846, 20.2218, 12.5807

Tritanomaly

17.9884, 20.3477, 20.4322

Monochromacy



Original Color

16.4431, 20.5221, 12.3270

Achromatopsia

17.8524, 18.7821, 20.4537

Achromatomaly

17.1169, 19.2110, 16.9933

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.4431, 20.5221, 12.3270 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, 132, 88)` looks like.

```
.text, #text, p{  
    color:rgb(110, 132, 88)  
}
```

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, 132, 88) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(110, 132, 88) }
```

Border

The CSS property to change the border of an element to XYZ 16.4431, 20.5221, 12.3270 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, 132, 88) }
```


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

```
.border{ border-color:rgb(110, 132, 88) }
```

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

Here you see how a box with a 4 pixel rgb(110, 132, 88) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(110, 132, 88); -webkit-box-  
shadow:4px 4px 4px 4px rgb(110, 132, 88);  
box-shadow:4px 4px 4px 4px rgb(110, 132,  
88) }
```

Background

The CSS property to change the background color of an element to XYZ 16.4431, 20.5221, 12.3270 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(110, 132, 88) }
```

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

```
.background{ background-color: rgb(110,  
132, 88) }
```

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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