

Converting Colors

XYZ(16.3286, 20.1044, 24.6993)

Have a look what the booklet for
XYZ(16.3286, 20.1044, 24.6993)
contains.

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Color

**XYZ(16.4406, 20.2432,
24.8706)**

Conversions

Conversions Part 1

Format	Color
Hex	588484
RGB	88, 132, 132
RGB Percent	35%, 52%, 52%
CMY	0.6549, 0.4823, 0.4823
CMYK	0.33, 0.00, 0.00, 0.48
HSL	180°, 20%, 43%
HSV	180°, 33%, 52%
XYZ	16.4406, 20.2432, 24.8706
YIQ	118.8440, -26.2240, -9.3280

Conversions

Conversions Part 2

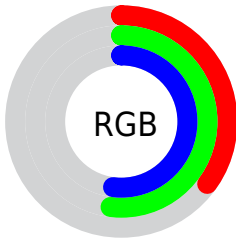
Format	Color
R_{YB}	88, 110, 132
Decimal	5801092
CIE _{Lab}	52.11, -14.99, -4.82
CIE _{LCh}	52, 15.751, 197.834
Yxy	20.2432, 0.2671, 0.3289
Android (android.graphics.Color)	4283991172 (0xFF588484)
YUV	118.8440, 6.4859, -27.0502
Hunter-Lab	44.9924, -13.5114, -1.2792

Details

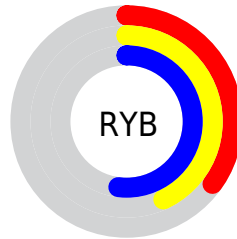
The XYZ color **16.4406, 20.2432, 24.8706** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **14.7676, 12.5901, 10.8850**, and the grayscale version is **17.4718, 18.3817, 20.0177**.

A 20% lighter version of the original color is **36.9211, 43.7762, 52.4026**, and **5.4153, 7.0905, 9.2668** is the 20% darker color. If you saturate the color by 10%, you get **15.3026, 19.6571, 24.8176**, and if you desaturate by 10%, it is **17.8060, 20.9476, 24.9351**.

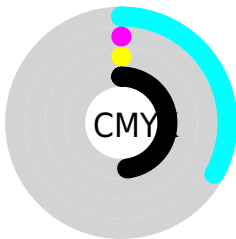
Distribution



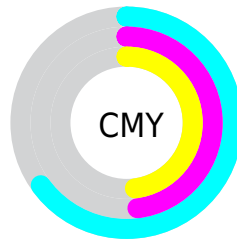
- Red (35%)
- Green (52%)
- Blue (52%)



- Red (35%)
- Yellow (43%)
- Blue (52%)



- Cyan (33%)
- Magenta (0%)
- Yellow (0%)
- Black (48%)



- Cyan (65%)
- Magenta (48%)
- Yellow (48%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.4406, 20.2432, 24.8706 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 16.4406, 20.2432, 24.8706 by changing the saturation by 10% instead.

■ 16.4406, 20.2432,
24.8706

■ 16.4406, 20.2432,
24.8706

225.1474,
253.2287, 290.6199

■ 9.9293, 12.5720,
15.7625

■ 36.9127, 43.8246,
52.4087

■ 5.4140, 7.1345,
9.2037

■ 51.6043, 60.5034,
71.6759

■ 2.5294, 3.5463,
4.7757

■ 69.7533, 80.9537,
95.1665

■ 0.9101, 1.4232,
2.0598

■ 91.7250, 105.5596,
123.2990

■ 0.0000, 0.2337,
0.5917

■ 117.8850,
134.7057, 156.4921

■ 0.0000, 0.0000,
0.0000

148.5985,

168.7763, 195.1643

184.2308,
208.1558, 239.7340

■ 16.4406, 20.2432,
24.8706

■ 16.4406, 20.2432,
24.8706

■ 15.3026, 19.6571,
24.8176

■ 17.8060, 20.9476,
24.9351

■ 14.3782, 19.1805,
24.7741

■ 19.4085, 21.7737,
25.0103

■ 13.6543, 18.8073,
24.7401

■ 21.2590, 22.7277,
25.0971

■ 13.1164, 18.5300,
24.7147

■ 23.3677, 23.8147,
25.1960

■ 12.7472, 18.3397,
24.6972

■ 25.7437, 25.0396,
25.3074

■ 12.5265, 18.2259,
24.6867

■ 28.3961, 26.4069,
25.4317

■ 12.4163, 18.1691,
24.6814

■ 31.3333, 27.9211,
25.5693

■ 34.5634, 29.5863,
25.7207

■ 38.0943, 31.4065,
25.8861

Harmonies

Analogous

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



16.3693, 20.2432, 20.2246



16.4406, 20.2432, 24.8706



17.2357, 20.2432, 29.2901

Triad

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



16.4406, 20.2432, 24.8706



21.6283, 20.2432, 28.5471



19.9006, 20.2432, 14.4588

Complementary

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



16.4406, 20.2432, 24.8706



14.7676, 12.5901, 10.8850

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.



21.3951, 20.2432, 16.0997



16.4406, 20.2432, 24.8706



22.4293, 20.2432, 23.9639

Square

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



16.4406, 20.2432, 24.8706



20.2046, 20.2432, 31.6079



22.3416, 20.2432, 19.4353



18.3077, 20.2432, 14.6308

Rectangle

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



16.4406, 20.2432, 24.8706



18.0956, 20.2432, 31.3172



22.3416, 20.2432, 19.4353



20.4328, 20.2432, 14.8060

Sweetspot

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



16.4412, 20.2440, 24.8711



35.1527, 38.8507, 44.0990



14.1076, 19.3186, 12.2182



8.0961, 8.9998, 10.2630



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.



16.4412, 20.2440, 24.8711



27.4082, 34.8583, 43.7355



13.8453, 15.0520, 24.0064



4.8016, 5.2789, 5.9666



12.0216, 17.5915, 23.8967



0.0416, 0.0609, 0.0828

Inverse Universe

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



14.7676, 12.5901, 10.8850



23.9874, 19.2139, 15.1485



16.7750, 16.6051, 11.5538



4.6726, 4.6887, 4.8881



9.2136, 4.7498, 0.4313



0.0319, 0.0165, 0.0015

Previews

White Background



This preview shows how the XYZ color 16.4406, 20.2432, 24.8706 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 16.4406, 20.2432, 24.8706 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 16.4406, 20.2432, 24.8706

Background



This preview shows how black text looks on a background with the XYZ color 16.4406, 20.2432, 24.8706.



This preview shows how white text looks on a background with the XYZ color 16.4406, 20.2432,

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

16.4406, 20.2432, 24.8706

Protanopia

19.3712, 20.0582, 22.9293

Deuteranopia

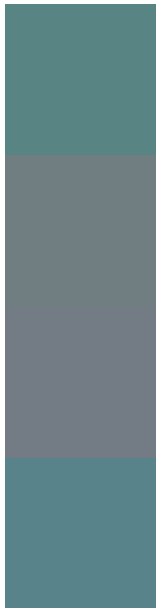
20.3796, 19.9795, 25.3366



Tritanopia

17.1405, 20.3293, 28.2199

Trichromacy



Original Color

16.4406, 20.2432, 24.8706

Protanomaly

18.1054, 19.9514, 23.6656

Deuteranomaly

18.5115, 19.7536, 25.0275

Tritanomaly

16.8236, 20.1914, 27.0554

Monochromacy



Original Color

16.4406, 20.2432, 24.8706

Achromatopsia

17.5343, 18.4475, 20.0893

Achromatomaly

17.0301, 19.0587, 21.8499

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.4406, 20.2432, 24.8706 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(88, 132, 132) looks like.

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

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(88, 132, 132) colored shadow looks like.

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

Border

The CSS property to change the border of an element to XYZ 16.4406, 20.2432, 24.8706 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(88, 132, 132) }
```


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

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

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

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

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

Background

The CSS property to change the background color of an element to XYZ 16.4406, 20.2432, 24.8706 is called "background". The background property can be set on classes, ids or directly on the HTML element.

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

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

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

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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