

Converting Colors

XYZ(15.7652, 19.1889, 16.6596)

Have a look what the booklet for
XYZ(15.7652, 19.1889, 16.6596)
contains.

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Color

**XYZ(15.8525, 19.3247,
16.8044)**

Conversions

Conversions Part 1

Format	Color
Hex	66806B
RGB	102, 128, 107
RGB Percent	40%, 50%, 42%
CMY	0.6000, 0.4980, 0.5804
CMYK	0.20, 0.00, 0.16, 0.50
HSL	132°, 11%, 45%
HSV	132°, 20%, 50%
XYZ	15.8525, 19.3247, 16.8044
YIQ	117.8320, -8.7550, -12.0430

Conversions

Conversions Part 2

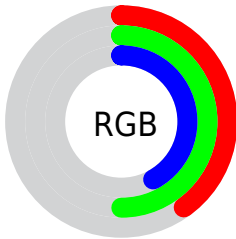
Format	Color
RYB	102, 124, 128
Decimal	6717547
CIELab	51.06, -13.85, 8.35
CIELCh	51, 16.169, 148.910
Yxy	19.3247, 0.3050, 0.3718
Android (android.graphics.Color)	4284907627 (0xFF66806B)
YUV	117.8320, -5.3402, -13.8847
Hunter-Lab	43.9599, -12.5603, 8.1073

Details

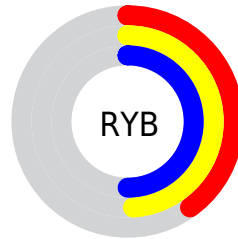
The XYZ color **15.8525, 19.3247, 16.8044** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **17.2293, 15.5224, 20.8278**, and the grayscale version is **17.1859, 18.0809, 19.6901**.

A 20% lighter version of the original color is **35.8323, 42.2887, 38.6217**, and **5.1871, 6.7304, 5.3007** is the 20% darker color. If you saturate the color by 10%, you get **14.0006, 18.4297, 14.0462**, and if you desaturate by 10%, it is **17.9946, 20.3629, 19.9165**.

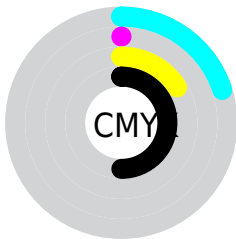
Distribution



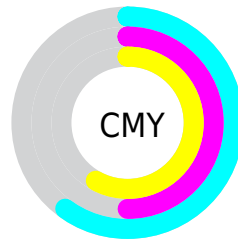
- Red (40%)
- Green (50%)
- Blue (42%)



- Red (40%)
- Yellow (49%)
- Blue (50%)



- Cyan (20%)
- Magenta (0%)
- Yellow (16%)
- Black (50%)



- Cyan (60%)
- Magenta (50%)
- Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.8525, 19.3247, 16.8044 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 15.8525, 19.3247, 16.8044 by changing the saturation by 10% instead.

■ 15.8525, 19.3247,
16.8044

■ 15.8525, 19.3247,
16.8044

221.7573,
248.2355, 246.0483

■ 9.5100, 11.9051,
9.9346

■ 35.9015, 42.2820,
38.7752

■ 5.1351, 6.6791,
5.2506

■ 50.3387, 58.5886,
54.7133

■ 2.3623, 3.2622,
2.3337

■ 68.2048, 78.6263,
74.5113

■ 0.8263, 1.2701,
0.7500

■ 89.8653, 102.7795,
98.5877

■ 0.0000, 0.1179,
0.0000

115.6854,
131.4327, 127.3611

■ 0.0000, 0.0000,
0.0000

146.0305,

164.9701, 161.2500

181.2661,
203.7762, 200.6729

■ 15.8525, 19.3247,
16.8044

■ 15.8525, 19.3247,
16.8044

■ 14.0006, 18.4297,
14.0462

■ 17.9946, 20.3629,
19.9165

■ 12.4247, 17.6692,
11.6282

■ 20.4369, 21.5475,
23.3933

■ 11.1120, 17.0373,
9.5375

■ 23.1913, 22.8850,
27.2463

■ 10.0477, 16.5269,
7.7601

■ 26.2681, 24.3805,
31.4864

■ 9.2158, 16.1300,
6.2808

■ 29.6775, 26.0390,
36.1241

■ 8.5984, 15.8376,
5.0832

■ 33.4290, 27.8652,
41.1693

■ 8.1747, 15.6394,
4.1493

■ 37.5318, 29.8636,
46.6317

■ 7.8909, 15.5077,
3.4755

■ 41.9948, 32.0386,
52.5206

■ 46.8265, 34.3945,
58.8451

Harmonies

Analogous

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



16.9174, 19.3247, 14.2215



15.8525, 19.3247, 16.8044



15.4551, 19.3247, 20.8739

Triad

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



15.8525, 19.3247, 16.8044



18.3090, 19.3247, 31.1583



21.1999, 19.3247, 17.0559

Complementary

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



15.8525, 19.3247, 16.8044



17.2293, 15.5224, 20.8278

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.



21.6247, 19.3247, 21.2096



15.8525, 19.3247, 16.8044



19.8983, 19.3247, 29.7529

Square

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



15.8525, 19.3247, 16.8044



16.8215, 19.3247, 29.5419



21.1355, 19.3247, 25.9365



20.0055, 19.3247, 14.3512

Rectangle

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



15.8525, 19.3247, 16.8044



15.6033, 19.3247, 24.0337



21.1355, 19.3247, 25.9365



21.4404, 19.3247, 18.3082

Sweetspot

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



15.8530, 19.3255, 16.8048



33.4107, 36.6890, 37.5411



18.3201, 20.6268, 15.5863



7.7708, 8.5649, 8.7158



62.3462, 65.5931, 71.4309



8.4577, 8.8982, 9.6901

Same Dimension

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



15.8530, 19.3255, 16.8048



26.4672, 33.3256, 27.4530



16.5753, 19.6144, 20.6082



4.3072, 4.8312, 4.7891



7.8244, 15.3763, 3.4482



0.0000, 0.0000, 0.0000

Inverse Universe

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



17.2293, 15.5224, 20.8278



29.3107, 25.4661, 35.7636



16.4813, 15.2232, 16.8887



4.4638, 4.3987, 5.2470



11.2743, 5.5294, 13.3002



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 15.8525, 19.3247, 16.8044 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 15.8525, 19.3247, 16.8044 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

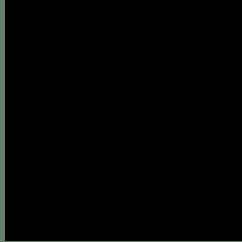
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 15.8525, 19.3247, 16.8044

Background



This preview shows how black text looks on a background with the XYZ color 15.8525, 19.3247, 16.8044.



This preview shows how white text looks on a background with the XYZ color 15.8525, 19.3247,

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

15.8525, 19.3247, 16.8044

Protanopia

18.1876, 19.2432, 15.5877

Deuteranopia

19.4381, 19.1451, 17.1389



Tritanopia

17.5741, 19.2623, 25.3460

Trichromacy



Original Color

15.8525, 19.3247, 16.8044

Protanomaly

17.3141, 19.3367, 15.9165

Deuteranomaly

17.8563, 19.0425, 16.9218

Tritanomaly

16.7974, 19.1257, 21.8751

Monochromacy



Original Color

15.8525, 19.3247, 16.8044

Achromatopsia

17.2197, 18.1164, 19.7288

Achromatomaly

16.6789, 18.5787, 18.6266

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.8525, 19.3247, 16.8044 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(102, 128, 107)` looks like.

```
.text, #text, p{  
    color:rgb(102, 128, 107)  
}
```

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(102, 128, 107) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 128, 107) }
```

Border

The CSS property to change the border of an element to XYZ 15.8525, 19.3247, 16.8044 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(102, 128, 107) }
```


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

```
.border{ border-color:rgb(102, 128, 107) }
```

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

Here you see how a box with a 4 pixel rgb(102, 128, 107) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 128, 107); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 128, 107);  
box-shadow:4px 4px 4px 4px rgb(102, 128,  
107) }
```

Background

The CSS property to change the background color of an element to XYZ 15.8525, 19.3247, 16.8044 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 128, 107) }
```

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

```
.background{ background-color: rgb(102,  
128, 107) }
```

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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