

Converting Colors

XYZ(16.7101, 19.6873, 28.9283)

Have a look what the booklet for
XYZ(16.7101, 19.6873, 28.9283)
contains.

XYZ(16.7387, 19.7099, 28.9088)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(16.7387, 19.7099,
28.9088)**

Conversions

Conversions Part 1

Format	Color
Hex	57818F
RGB	87, 129, 143
RGB Percent	34%, 51%, 56%
CMY	0.6588, 0.4941, 0.4392
CMYK	0.39, 0.10, 0.00, 0.44
HSL	195°, 24%, 45%
HSV	195°, 39%, 56%
XYZ	16.7387, 19.7099, 28.9088
YIQ	118.0380, -29.5260, -4.5500

Conversions

Conversions Part 2

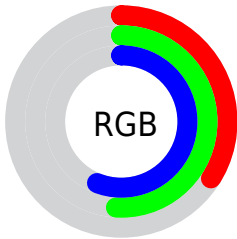
Format	Color
RYB	87, 111, 143
Decimal	5734799
CIELab	51.51, -10.72, -12.15
CIElCh	52, 16.204, 228.585
Yxy	19.7099, 0.2561, 0.3016
Android (android.graphics.Color)	4283924879 (0xFF57818F)
YUV	118.0380, 12.3063, -27.2203
Hunter-Lab	44.3958, -10.3923, -7.5302

Details

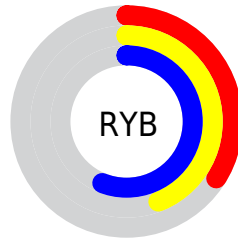
The XYZ color **16.7387, 19.7099, 28.9088** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **17.7021, 15.8356, 11.1411**, and the grayscale version is **17.2016, 18.0974, 19.7081**.

A 20% lighter version of the original color is **37.4535, 42.9761, 59.1445**, and **5.5720, 6.9027, 11.3946** is the 20% darker color. If you saturate the color by 10%, you get **15.0710, 18.1638, 28.6986**, and if you desaturate by 10%, it is **18.6886, 21.4269, 29.1378**.

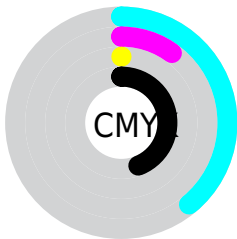
Distribution



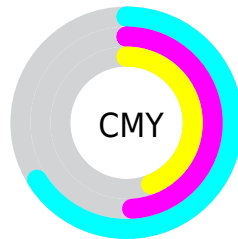
- Red (34%)
- Green (51%)
- Blue (56%)



- Red (34%)
- Yellow (44%)
- Blue (56%)



- Cyan (39%)
- Magenta (10%)
- Yellow (0%)
- Black (44%)



- Cyan (66%)
- Magenta (49%)
- Yellow (44%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.7387, 19.7099, 28.9088 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 16.7387, 19.7099, 28.9088 by changing the saturation by 10% instead.

■ 16.7387, 19.7099,
28.9088

■ 16.7387, 19.7099,
28.9088

■ 226.8478,
250.3403, 310.8319

■ 10.1425, 12.1843,
18.7669

■ 37.4231, 42.9303,
58.9726

■ 5.5565, 6.8694,
11.3268

■ 52.2421, 59.3939,
79.7316

■ 2.6154, 3.3805,
6.1702

■ 70.5327, 79.6056,
104.8666

■ 0.9538, 1.3335,
2.8784

■ 92.6603, 103.9499,
134.7962

■ 0.0000, 0.1669,
1.0329

■ 118.9903,
132.8111, 169.9390

■ 0.0000, 0.0000,
0.0000

149.8879,

166.5737, 210.7136

185.7186,
205.6219, 257.5383

■ 16.7387, 19.7099,
28.9088

■ 16.7387, 19.7099,
28.9088

■ 15.0710, 18.1638,
28.6986

■ 18.6886, 21.4269,
29.1378

■ 13.6679, 16.7777,
28.5050

■ 20.9334, 23.3202,
29.3849

■ 12.5123, 15.5433,
28.3277

■ 23.4873, 25.3978,
29.6513

■ 11.5846, 14.4500,
28.1655

■ 26.3630, 27.6664,
29.9377

■ 10.8617, 13.4858,
28.0175

■ 29.5723, 30.1325,
30.2445

■ 10.2886, 12.6221,
27.8810

■ 33.1267, 32.8021,
30.5724

■ 10.2421, 12.5513,
27.8698

■ 37.0368, 35.6809,
30.9220

■ 41.3130, 38.7745,
31.2938

■ 45.9651, 42.0883,
31.6882

Harmonies

Analogous

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



15.9210, 19.7099, 24.4461



16.7387, 19.7099, 28.9088



18.1211, 19.7099, 31.5001

Triad

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



16.7387, 19.7099, 28.9088



21.9719, 19.7099, 23.2839



17.7538, 19.7099, 14.0368

Complementary

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



16.7387, 19.7099, 28.9088



17.7021, 15.8356, 11.1411

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.



19.3599, 19.7099, 13.8193



16.7387, 19.7099, 28.9088



21.8595, 19.7099, 18.7289

Square

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



16.7387, 19.7099, 28.9088



21.1801, 19.7099, 27.9527



20.8812, 19.7099, 15.4163



16.4832, 19.7099, 16.0608

Rectangle

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



16.7387, 19.7099, 28.9088



19.2048, 19.7099, 31.5995



20.8812, 19.7099, 15.4163



18.2703, 19.7099, 13.7620

Sweetspot

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



16.7393, 19.7107, 28.9093



40.5857, 44.2955, 52.9488



16.0570, 22.5930, 15.5888



9.1867, 10.0604, 12.1299



69.3244, 72.9347, 79.4259



10.7221, 11.2805, 12.2844

Same Dimension

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



16.7393, 19.7107, 28.9093



27.3127, 32.8358, 51.4364



13.6338, 13.4997, 27.8741



5.4477, 5.8911, 6.8787



9.0729, 11.1317, 24.6475



0.1042, 0.1413, 0.2415

Inverse Universe

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



18.6989, 14.2417, 22.5330



31.4418, 22.0076, 37.8447



20.7763, 21.9840, 12.1658



5.5694, 5.4883, 6.4967



12.3827, 6.1101, 12.9324



0.1272, 0.0619, 0.1700

Previews

White Background



This preview shows how the XYZ color 16.7387, 19.7099, 28.9088 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 16.7387, 19.7099, 28.9088 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

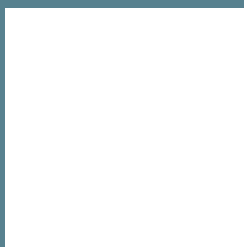
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 16.7387, 19.7099, 28.9088

Background



This preview shows how black text looks on a background with the XYZ color 16.7387, 19.7099, 28.9088.



This preview shows how white text looks on a background with the XYZ color 16.7387, 19.7099,

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

16.7387, 19.7099, 28.9088

Protanopia

19.1705, 19.5028, 26.7988

Deuteranopia

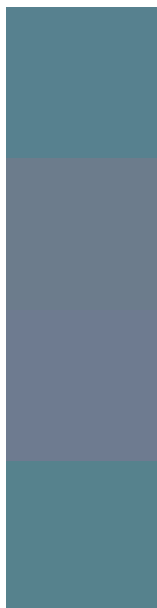
19.8760, 19.4489, 29.4945



Tritanopia

16.5540, 19.8371, 27.7674

Trichromacy



Original Color

16.7387, 19.7099, 28.9088

Protanomaly

18.1256, 19.4969, 27.6189

Deuteranomaly

18.5474, 19.4945, 29.1708

Tritanomaly

16.6281, 19.8668, 28.1576

Monochromacy



Original Color

16.7387, 19.7099, 28.9088

Achromatopsia

17.2197, 18.1164, 19.7288

Achromatomaly

16.8537, 18.5772, 22.7761

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.7387, 19.7099, 28.9088 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(87, 129, 143)` looks like.

```
.text, #text, p{  
    color:rgb(87, 129, 143)  
}
```

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(87, 129, 143) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 129, 143) }
```

Border

The CSS property to change the border of an element to XYZ 16.7387, 19.7099, 28.9088 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(87, 129, 143) }
```


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

```
.border{ border-color:rgb(87, 129, 143) }
```

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

Here you see how a box with a 4 pixel rgb(87, 129, 143) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(87, 129, 143); -webkit-box-  
shadow:4px 4px 4px 4px rgb(87, 129, 143);  
box-shadow:4px 4px 4px 4px rgb(87, 129,  
143) }
```

Background

The CSS property to change the background color of an element to XYZ 16.7387, 19.7099, 28.9088 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(87, 129, 143) }
```

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

```
.background{ background-color: rgb(87, 129,  
143) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor