

Converting Colors

XYZ(16.6503, 15.3590, 21.2580)

Have a look what the booklet for
XYZ(16.6503, 15.3590, 21.2580)
contains.

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Color

**XYZ(16.6567, 15.3667,
21.1569)**

Conversions

Conversions Part 1

Format	Color
Hex	7B677C
RGB	123, 103, 124
RGB Percent	48%, 40%, 49%
CMY	0.5176, 0.5961, 0.5137
CMYK	0.01, 0.17, 0.00, 0.51
HSL	297°, 9%, 45%
HSV	297°, 17%, 49%
XYZ	16.6567, 15.3667, 21.1569
YIQ	111.3740, 5.1790, 10.7710

Conversions

Conversions Part 2

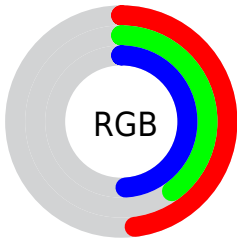
Format	Color
R_{YB}	123, 103, 124
Decimal	8087420
CIE Lab	46.13, 11.99, -8.72
CIE LCh	46, 14.824, 323.990
Yxy	15.3667, 0.3132, 0.2890
Android (android.graphics.Color)	4286277500 (0xFF7B677C)
YUV	111.3740, 6.2246, 10.1960
Hunter-Lab	39.2004, 7.2461, -4.5592

Details

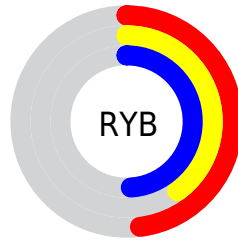
The XYZ color **16.6567, 15.3667, 21.1569** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **15.3653, 18.3380, 15.5625**, and the grayscale version is **15.1999, 15.9915, 17.4147**.

A 20% lighter version of the original color is **37.3959, 35.5156, 46.4792**, and **5.5082, 4.7922, 7.2913** is the 20% darker color. If you saturate the color by 10%, you get **15.4296, 13.0373, 20.7722**, and if you desaturate by 10%, it is **18.0681, 18.0636, 21.6033**.

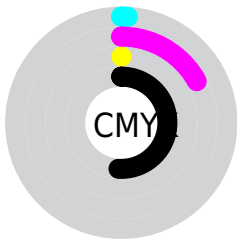
Distribution



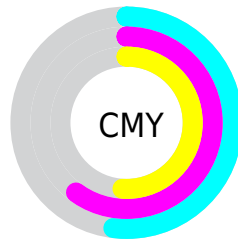
- Red (48%)
- Green (40%)
- Blue (49%)



- Red (48%)
- Yellow (40%)
- Blue (49%)



- Cyan (1%)
- Magenta (17%)
- Yellow (0%)
- Black (51%)



- Cyan (52%)
- Magenta (60%)
- Yellow (51%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.6567, 15.3667, 21.1569 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 16.6567, 15.3667, 21.1569 by changing the saturation by 10% instead.

■ 16.6567, 15.3667,
21.1569

■ 16.6567, 15.3667,
21.1569

226.3812,
225.5752, 270.9195

■ 10.0838, 9.0771,
13.0464

■ 37.2829, 35.4952,
46.2327

■ 5.5173, 4.7915,
7.3294

■ 52.0669, 50.1030,
64.0350

■ 2.5917, 2.1255,
3.5874

■ 70.3187, 68.2522,
85.9051

■ 0.9417, 0.6789,
1.4018

■ 92.4035, 90.3274,
112.2613

■ 0.0000, 0.0000,
0.1431

118.6869,
116.7129, 143.5224

■ 0.0000, 0.0000,
0.0000

149.5340,

147.7931, 180.1067

185.3104,
183.9524, 222.4329

■ 16.6567, 15.3667,
21.1569

■ 16.6567, 15.3667,
21.1569

■ 15.4296, 13.0373,
20.7722

■ 18.0681, 18.0636,
21.6033

■ 14.3775, 11.0574,
20.4455

■ 19.6701, 21.1409,
22.1128

■ 13.4922, 9.4102,
20.1742

■ 21.4701, 24.6137,
22.6883

■ 12.7643, 8.0772,
19.9553

■ 23.4750, 28.4954,
23.3319

■ 12.1836, 7.0379,
19.7853

■ 25.6911, 32.7988,
24.0457

■ 11.7386, 6.2691,
19.6603

■ 28.1246, 37.5362,
24.8318

■ 11.4160, 5.7444,
19.5761

■ 30.7814, 42.7194,
25.6923

■ 11.1883, 5.4088,
19.5233

■ 33.6671, 48.3597,
26.6289

■ 11.1224, 5.3135,
19.5084

■ 36.7872, 54.4681,
27.6435

Harmonies

Analogous

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



15.6141, 15.3667, 23.9141



16.6567, 15.3667, 21.1569



17.1529, 15.3667, 17.4696

Triad

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



16.6567, 15.3667, 21.1569



14.8610, 15.3667, 10.7308



12.4999, 15.3667, 19.7177

Complementary

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



16.6567, 15.3667, 21.1569



15.3653, 18.3380, 15.5625

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.



12.3238, 15.3667, 16.0149



16.6567, 15.3667, 21.1569



13.6415, 15.3667, 11.1541

Square

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



16.6567, 15.3667, 21.1569



16.0785, 15.3667, 11.7184



12.7302, 15.3667, 12.9711



13.2255, 15.3667, 23.0031

Rectangle

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



16.6567, 15.3667, 21.1569



17.0877, 15.3667, 15.1080



12.7302, 15.3667, 12.9711



12.3763, 15.3667, 18.4678

Sweetspot

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



16.6572, 15.3674, 21.1572



32.2817, 32.7195, 38.1707



14.1876, 14.2503, 21.0718



7.5659, 7.6351, 8.9780



60.6688, 63.8283, 69.5090



7.9400, 8.3535, 9.0970

Same Dimension

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



16.6572, 15.3674, 21.1572



28.5113, 25.5184, 36.9795



16.2316, 15.2137, 18.1658



4.1365, 4.0683, 5.0104



11.3063, 5.4014, 19.8320



53.7232, 25.6573, 94.5906

Inverse Universe

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



15.6617, 14.9858, 15.1646



26.4473, 24.7282, 24.5158



15.7515, 18.4791, 18.1981



4.0053, 4.0179, 4.2257



8.4827, 4.3693, 0.5671



40.3745, 20.8062, 2.2365

Previews

White Background



This preview shows how the XYZ color 16.6567, 15.3667, 21.1569 looks on a white 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

Black Background



This preview shows how the XYZ color 16.6567, 15.3667, 21.1569 looks on a black 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

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

XYZ 16.6567, 15.3667, 21.1569

Background



This preview shows how black text looks on a background with the XYZ color 16.6567, 15.3667, 21.1569.



This preview shows how white text looks on a background with the XYZ color 16.6567, 15.3667,

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

16.6567, 15.3667, 21.1569

Protanopia

15.2027, 15.3478, 22.5832

Deuteranopia

15.6429, 15.4562, 20.8978



Tritanopia

15.9174, 15.3604, 17.7487

Trichromacy



Original Color

16.6567, 15.3667, 21.1569

Protanomaly

15.6669, 15.2851, 22.2033

Deuteranomaly

16.0653, 15.5200, 20.8878

Tritanomaly

16.1872, 15.3226, 18.9340

Monochromacy



Original Color

16.6567, 15.3667, 21.1569

Achromatopsia

15.1092, 15.8961, 17.3108

Achromatomaly

15.5852, 15.6309, 18.7186

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.6567, 15.3667, 21.1569 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(123, 103, 124)` looks like.

```
.text, #text, p{  
    color:rgb(123, 103, 124)  
}
```

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(123, 103, 124) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 103, 124) }
```

Border

The CSS property to change the border of an element to XYZ 16.6567, 15.3667, 21.1569 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(123, 103, 124) }
```


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

```
.border{ border-color:rgb(123, 103, 124) }
```

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

Here you see how a box with a 4 pixel `rgb(123, 103, 124)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 103, 124); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 103, 124);  
box-shadow:4px 4px 4px 4px rgb(123, 103,  
124) }
```

Background

The CSS property to change the background color of an element to XYZ 16.6567, 15.3667, 21.1569 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 103, 124) }
```

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

```
.background{ background-color: rgb(123,  
103, 124) }
```

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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