

Converting Colors

XYZ(17.1998, 16.2943, 34.3936)

Have a look what the booklet for
XYZ(17.1998, 16.2943, 34.3936)
contains.

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Color

**XYZ(17.2337, 16.2895,
34.5836)**

Conversions

Conversions Part 1

Format	Color
Hex	676D9E
RGB	103, 109, 158
RGB Percent	40%, 43%, 62%
CMY	0.5961, 0.5725, 0.3804
CMYK	0.35, 0.31, 0.00, 0.38
HSL	233°, 22%, 51%
HSV	233°, 35%, 62%
XYZ	17.2337, 16.2895, 34.5836
YIQ	112.7920, -19.3050, 13.9670

Conversions

Conversions Part 2

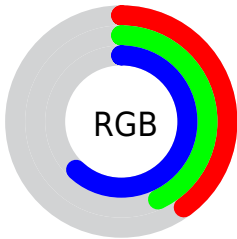
Format	Color
R_{YB}	103, 108, 158
Decimal	6778270
CIE Lab	47.35, 9.93, -27.23
CIE LCh	47, 28.984, 290.033
Yxy	16.2895, 0.2530, 0.2392
Android (android.graphics.Color)	4284968350 (0xFF676D9E)
YUV	112.7920, 22.2875, -8.5876
Hunter-Lab	40.3603, 5.5885, -22.5518

Details

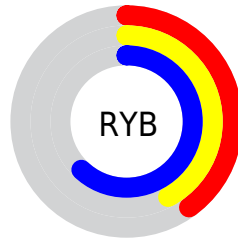
The XYZ color **17.2337, 16.2895, 34.5836** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **27.7772, 30.7051, 17.2952**, and the grayscale version is **15.5751, 16.3862, 17.8446**.

A 20% lighter version of the original color is **38.2913, 37.0136, 68.0770**, and **5.7923, 5.2427, 14.3423** is the 20% darker color. If you saturate the color by 10%, you get **14.2065, 12.6757, 34.0459**, and if you desaturate by 10%, it is **20.8450, 20.5620, 35.2182**.

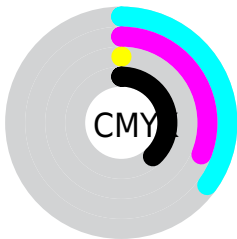
Distribution



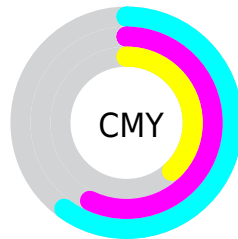
- Red (40%)
- Green (43%)
- Blue (62%)



- Red (40%)
- Yellow (42%)
- Blue (62%)



- Cyan (35%)
- Magenta (31%)
- Yellow (0%)
- Black (38%)



- Cyan (60%)
- Magenta (57%)
- Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 17.2337, 16.2895, 34.5836 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 17.2337, 16.2895, 34.5836 by changing the saturation by 10% instead.

■ 17.2337, 16.2895,
34.5836

■ 17.2337, 16.2895,
34.5836

229.6456,
231.0440, 337.5748

■ 10.4976, 9.7292,
23.0613

■ 38.2676, 37.1001,
67.9844

■ 5.7949, 5.2198,
14.4331

■ 53.2960, 52.1192,
90.7001

■ 2.7602, 2.3768,
8.2803

■ 71.8193, 70.7267,
117.9839

■ 1.0283, 0.8139,
4.1845

■ 94.2028, 93.3070,
150.2544

■ 0.0000, 0.0000,
1.7271

120.8118,
120.2444, 187.9302

■ 0.0000, 0.0000,
0.3792

152.0117,

■ 0.0000, 0.0000,

151.9235, 231.4299

0.0000

188.1679,
188.7286, 281.1719

■ 17.2337, 16.2895,
34.5836

■ 17.2337, 16.2895,
34.5836

■ 14.2065, 12.6757,
34.0459

■ 20.8450, 20.5620,
35.2182

■ 11.7310, 9.6860,
33.5993

■ 25.0671, 25.5220,
35.9531

■ 9.7740, 7.2854,
33.2391

■ 29.9273, 31.1986,
36.7926

■ 8.2983, 5.4345,
32.9596

■ 35.4506, 37.6189,
37.7407

■ 7.2615, 4.0891,
32.7546

■ 41.6607, 44.8083,
38.8011

■ 6.6122, 3.1975,
32.6167

■ 48.5801, 52.7913,
39.9773

■ 6.3758, 2.8770,
32.5673

■ 56.2303, 61.5911,
41.2726

■ 64.6319, 71.2300,
42.6903

■ 73.8045, 81.7296,
44.2335

Harmonies

Analogous

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



14.6449, 16.2895, 35.5940



17.2337, 16.2895, 34.5836



19.5769, 16.2895, 28.4399

Triad

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



17.2337, 16.2895, 34.5836



18.8704, 16.2895, 8.9667



11.1169, 16.2895, 15.4032

Complementary

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



17.2337, 16.2895, 34.5836



27.7772, 30.7051, 17.2952

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.



12.0032, 16.2895, 10.1250



17.2337, 16.2895, 34.5836



16.3518, 16.2895, 7.1479

Square

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



17.2337, 16.2895, 34.5836



20.5918, 16.2895, 13.3261



13.8545, 16.2895, 7.5035



11.2974, 16.2895, 23.0263

Rectangle

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



17.2337, 16.2895, 34.5836



20.5941, 16.2895, 23.0081



13.8545, 16.2895, 7.5035



11.2958, 16.2895, 13.3387

Sweetspot

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



17.2343, 16.2901, 34.5840



49.4467, 50.9389, 65.9695



23.4542, 29.5910, 34.0030



10.8879, 11.1805, 14.8279



76.7382, 80.7346, 87.9200



13.3056, 13.9985, 15.2444

Same Dimension

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



17.2343, 16.2901, 34.5840



26.8104, 24.2317, 62.0076



19.3465, 16.4610, 34.5056



6.3401, 6.5460, 8.3360



5.1219, 2.3354, 26.0880



0.1065, 0.0716, 0.4714

Inverse Universe

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



21.7116, 18.0743, 16.8130



36.2789, 28.1773, 24.3875



24.9783, 30.7447, 17.4503



6.6610, 6.6573, 7.0661



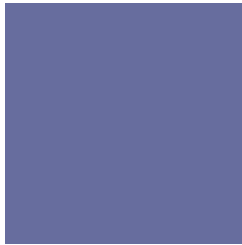
11.3835, 5.8580, 1.0046



0.2111, 0.1078, 0.0576

Previews

White Background



This preview shows how the XYZ color 17.2337, 16.2895, 34.5836 looks on a white background.

Color Contrast Check

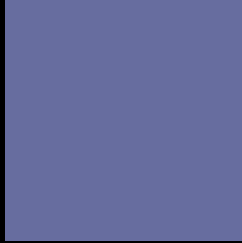
Large Text (above 18pt) WCAG AA ✓ Pass

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 17.2337, 16.2895, 34.5836 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 17.2337, 16.2895, 34.5836

Background



This preview shows how black text looks on a background with the XYZ color 17.2337, 16.2895, 34.5836.



This preview shows how white text looks on a background with the XYZ color 17.2337, 16.2895,

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

17.2337, 16.2895, 34.5836

Protanopia

16.8722, 16.4135, 35.0797

Deuteranopia

16.6799, 16.3243, 34.6195



Tritanopia

14.5517, 16.1750, 21.7572

Trichromacy



Original Color

17.2337, 16.2895, 34.5836

Protanomaly

16.9795, 16.3077, 35.0537

Deuteranomaly

16.8931, 16.2731, 34.5984

Tritanomaly

15.4575, 16.2131, 25.9816

Monochromacy



Original Color

17.2337, 16.2895, 34.5836

Achromatopsia

15.6958, 16.5132, 17.9829

Achromatomaly

16.0633, 16.4245, 23.0925

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.2337, 16.2895, 34.5836 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(103, 109, 158)` looks like.

```
.text, #text, p{  
    color:rgb(103, 109, 158)  
}
```

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(103, 109, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 109, 158) }
```

Border

The CSS property to change the border of an element to XYZ 17.2337, 16.2895, 34.5836 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(103, 109, 158) }
```


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

```
.border{ border-color:rgb(103, 109, 158) }
```

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

Here you see how a box with a 4 pixel `rgb(103, 109, 158)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(103, 109, 158); -webkit-box-  
shadow:4px 4px 4px 4px rgb(103, 109, 158);  
box-shadow:4px 4px 4px 4px rgb(103, 109,  
158) }
```

Background

The CSS property to change the background color of an element to XYZ 17.2337, 16.2895, 34.5836 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 109, 158) }
```

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

```
.background{ background-color: rgb(103,  
109, 158) }
```

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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