

Converting Colors

XYZ(17.1810, 13.8192, 33.2419)

Have a look what the booklet for
XYZ(17.1810, 13.8192, 33.2419)
contains.

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Color

**XYZ(17.1640, 13.8365,
33.2186)**

Conversions

Conversions Part 1

Format	Color
Hex	755C9C
RGB	117, 92, 156
RGB Percent	46%, 36%, 61%
CMY	0.5412, 0.6392, 0.3882
CMYK	0.25, 0.41, 0.00, 0.39
HSL	263°, 26%, 49%
HSV	263°, 41%, 61%
XYZ	17.1640, 13.8365, 33.2186
YIQ	106.7710, -5.6440, 25.2040

Conversions

Conversions Part 2

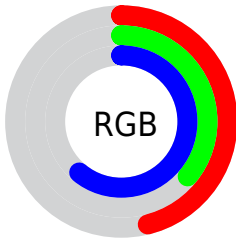
Format	Color
R_{YB}	117, 92, 156
Decimal	7691420
CIE _{Lab}	44.00, 24.01, -31.19
CIE _{LCh}	44, 39.362, 307.580
Yxy	13.8365, 0.2673, 0.2155
Android (android.graphics.Color)	4285881500 (0xFF755C9C)
YUV	106.7710, 24.2699, 8.9708
Hunter-Lab	37.1974, 17.2696, -26.9098

Details

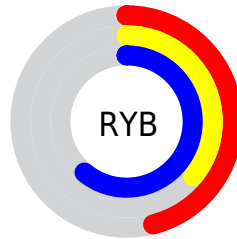
The XYZ color **17.1640, 13.8365, 33.2186** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **23.1807, 29.3753, 14.5740**, and the grayscale version is **13.8483, 14.5695, 15.8662**.

A 20% lighter version of the original color is **38.1579, 32.8941, 65.9661**, and **5.7518, 4.0695, 13.5790** is the 20% darker color. If you saturate the color by 10%, you get **14.7362, 10.7814, 32.7571**, and if you desaturate by 10%, it is **20.0008, 17.5161, 33.7796**.

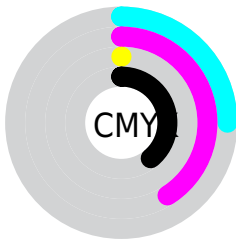
Distribution



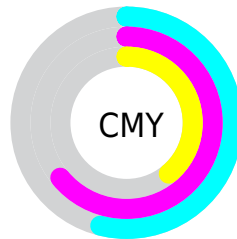
- Red (46%)
- Green (36%)
- Blue (61%)



- Red (46%)
- Yellow (36%)
- Blue (61%)



- Cyan (25%)
- Magenta (41%)
- Yellow (0%)
- Black (39%)



- Cyan (54%)
- Magenta (64%)
- Yellow (39%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 17.1640, 13.8365, 33.2186 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 17.1640, 13.8365, 33.2186 by changing the saturation by 10% instead.

■ 17.1640, 13.8365,
33.2186

■ 17.1640, 13.8365,
33.2186

229.2536,
216.2113, 331.2958

■ 10.4475, 8.0070,
22.0215

■ 38.1489, 32.7986,
65.8366

■ 5.7612, 4.0995,
13.6742

■ 53.1480, 46.7001,
88.0946

■ 2.7397, 1.7293,
7.7583

■ 71.6387, 64.0610,
114.8766

■ 1.0177, 0.4426,
3.8551

■ 93.9864, 85.2658,
146.6011

■ 0.0000, 0.0000,
1.5462

120.5563,
110.6988, 183.6868

■ 0.0000, 0.0000,
0.2520

151.7139,

■ 0.0000, 0.0000,

140.7445, 226.5521

0.0000

187.8246,
175.7872, 275.6156

■ 17.1640, 13.8365,
33.2186

■ 17.1640, 13.8365,
33.2186

■ 14.7362, 10.7814,
32.7571

■ 20.0008, 17.5161,
33.7796

■ 12.6948, 8.3128,
32.3882

■ 23.2646, 21.8520,
34.4444

■ 11.0173, 6.3909,
32.1057

■ 26.9739, 26.8756,
35.2186

■ 9.6776, 4.9701,
31.9020

■ 31.1457, 32.6159,
36.1067

■ 8.6456, 3.9969,
31.7686

■ 35.7961, 39.1001,
37.1132

■ 7.9214, 3.3904,
31.6897

■ 40.9405, 46.3542,
38.2422

■ 46.5933, 54.4025,
39.4978

■ 52.7684, 63.2687,
40.8837

■ 59.4794, 72.9752,
42.4035

Harmonies

Analogous

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



13.9593, 13.8365, 39.3524



17.1640, 13.8365, 33.2186



19.5201, 13.8365, 22.6229

Triad

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



17.1640, 13.8365, 33.2186



15.5770, 13.8365, 4.1039



8.0515, 13.8365, 17.4500

Complementary

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



17.1640, 13.8365, 33.2186



23.1807, 29.3753, 14.5740

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.



8.3444, 13.8365, 9.4122



17.1640, 13.8365, 33.2186



12.3748, 13.8365, 3.6395

Square

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



17.1640, 13.8365, 33.2186



18.5074, 13.8365, 6.8227



9.8183, 13.8365, 5.1330



8.9431, 13.8365, 28.1766

Rectangle

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



17.1640, 13.8365, 33.2186



20.1096, 13.8365, 15.8035



9.8183, 13.8365, 5.1330



8.0176, 13.8365, 14.3510

Sweetspot

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



17.1645, 13.8370, 33.2189



48.1303, 47.6380, 63.7851



18.5940, 21.0343, 34.5328



10.4095, 10.2356, 13.9974



74.8435, 78.7412, 85.7492



12.6291, 13.2868, 14.4694

Same Dimension

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



17.1645, 13.8370, 33.2189



27.1962, 20.1157, 59.5761



22.1377, 16.4009, 33.4517



6.5176, 6.5553, 8.3285



6.5615, 2.8116, 26.1041



0.1632, 0.0739, 0.4689

Inverse Universe

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



21.6346, 16.3614, 23.4910



36.6434, 25.4610, 38.5581



19.0174, 27.2290, 14.3792



6.7943, 6.7106, 7.7678



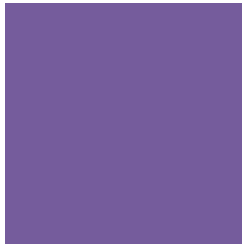
13.0142, 6.5102, 9.5915



0.2530, 0.1245, 0.2784

Previews

White Background



This preview shows how the XYZ color 17.1640, 13.8365, 33.2186 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 17.1640, 13.8365, 33.2186 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

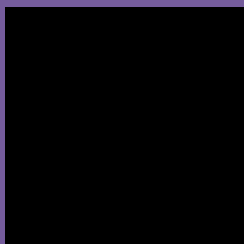
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 17.1640, 13.8365, 33.2186

Background



This preview shows how black text looks on a background with the XYZ color 17.1640, 13.8365, 33.2186.

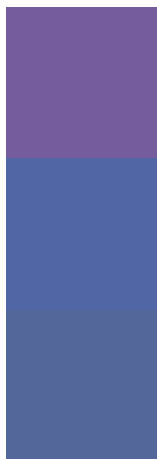


This preview shows how white text looks on a background with the XYZ color 17.1640, 13.8365,

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

17.1640, 13.8365, 33.2186

Protanopia

14.9362, 13.9687, 37.5063

Deuteranopia

14.2503, 13.8726, 32.4985



Tritanopia

13.8725, 13.8797, 16.6997

Trichromacy



Original Color

17.1640, 13.8365, 33.2186

Protanomaly

15.5054, 13.7237, 36.0141

Deuteranomaly

15.0975, 13.7231, 32.8634

Tritanomaly

14.8805, 13.7124, 21.9411

Monochromacy



Original Color

17.1640, 13.8365, 33.2186

Achromatopsia

13.9749, 14.7027, 16.0113

Achromatomaly

15.0086, 14.3629, 21.3833

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.1640, 13.8365, 33.2186 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(117, 92, 156)` looks like.

```
.text, #text, p{  
    color:rgb(117, 92, 156)  
}
```

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(117, 92, 156) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 92, 156) }
```

Border

The CSS property to change the border of an element to XYZ 17.1640, 13.8365, 33.2186 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(117, 92, 156) }
```


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

```
.border{ border-color:rgb(117, 92, 156) }
```

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

Here you see how a box with a 4 pixel `rgb(117, 92, 156)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(117, 92, 156); -webkit-box-  
shadow:4px 4px 4px 4px rgb(117, 92, 156);  
box-shadow:4px 4px 4px 4px rgb(117, 92,  
156) }
```

Background

The CSS property to change the background color of an element to XYZ 17.1640, 13.8365, 33.2186 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 92, 156) }
```

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

```
.background{ background-color: rgb(117, 92,  
156) }
```

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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