

Converting Colors

XYZ(17.1201, 18.4263, 29.4400)

Have a look what the booklet for
XYZ(17.1201, 18.4263, 29.4400)
contains.

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Color

**XYZ(17.0938, 18.3717,
29.4332)**

Conversions

Conversions Part 1

Format	Color
Hex	637991
RGB	99, 121, 145
RGB Percent	39%, 47%, 57%
CMY	0.6118, 0.5255, 0.4314
CMYK	0.32, 0.17, 0.00, 0.43
HSL	211°, 19%, 48%
HSV	211°, 32%, 57%
XYZ	17.0938, 18.3717, 29.4332
YIQ	117.1580, -20.8160, 2.8000

Conversions

Conversions Part 2

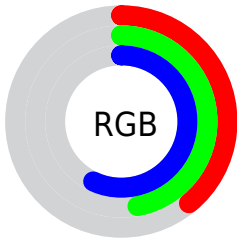
Format	Color
R_{YB}	99, 114, 145
Decimal	6519185
CIE _{Lab}	49.94, -2.01, -15.62
CIE _{LCh}	50, 15.750, 262.665
Yxy	18.3717, 0.2634, 0.2831
Android (android.graphics.Color)	4284709265 (0xFF637991)
YUV	117.1580, 13.7261, -15.9246
Hunter-Lab	42.8622, -3.8216, -10.7105

Details

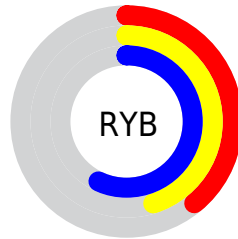
The XYZ color **17.0938, 18.3717, 29.4332** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **21.0125, 21.0868, 14.7677**, and the grayscale version is **16.9213, 17.8026, 19.3870**.

A 20% lighter version of the original color is **38.0149, 40.5900, 59.8639**, and **5.7635, 6.2694, 11.7328** is the 20% darker color. If you saturate the color by 10%, you get **14.7662, 15.8605, 29.0715**, and if you desaturate by 10%, it is **19.7791, 21.1752, 29.8331**.

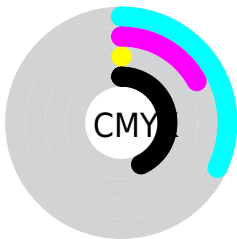
Distribution



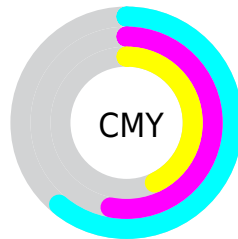
- Red (39%)
- Green (47%)
- Blue (57%)



- Red (39%)
- Yellow (45%)
- Blue (57%)



- Cyan (32%)
- Magenta (17%)
- Yellow (0%)
- Black (43%)



- Cyan (61%)
- Magenta (53%)
- Yellow (43%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 17.0938, 18.3717, 29.4332 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 17.0938, 18.3717, 29.4332 by changing the saturation by 10% instead.

■ 17.0938, 18.3717,
29.4332

■ 17.0938, 18.3717,
29.4332

228.8581,
242.9579, 313.3781

■ 10.3971, 11.2172,
19.1604

■ 38.0293, 40.6697,
59.8150

■ 5.7273, 6.2131,
11.6082

■ 52.9988, 56.5819,
80.7611

■ 2.7191, 2.9751,
6.3582

■ 71.4566, 76.1822,
106.1020

■ 1.0070, 1.1187,
2.9918

■ 93.7682, 99.8549,
136.2563

■ 0.0000, 0.0000,
1.0905

120.2987,
127.9844, 171.6426

■ 0.0000, 0.0000,
0.0000

151.4136,

160.9552, 212.6792

187.4783,
199.1515, 259.7849

■ 17.0938, 18.3717,
29.4332

■ 17.0938, 18.3717,
29.4332

■ 14.7662, 15.8605,
29.0715

■ 19.7791, 21.1752,
29.8331

■ 12.7777, 13.6283,
28.7454

■ 22.8362, 24.2794,
30.2712

■ 11.1106, 11.6638,
28.4541

■ 26.2801, 27.6947,
30.7489

■ 9.7445, 9.9540,
28.1961

■ 30.1249, 31.4305,
31.2673

■ 8.6566, 8.4843,
27.9697

■ 34.3837, 35.4958,
31.8275

■ 7.8203, 7.2381,
27.7733

■ 39.0689, 39.8992,
32.4305

■ 7.2606, 6.3438,
27.6302

■ 44.1927, 44.6488,
33.0772

■ 49.7664, 49.7525,
33.7686

■ 55.8012, 55.2181,
34.5055

Harmonies

Analogous

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



15.7599, 18.3717, 27.3680



17.0938, 18.3717, 29.4332



18.6043, 18.3717, 28.6969

Triad

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



17.0938, 18.3717, 29.4332



20.2795, 18.3717, 16.9682



15.2540, 18.3717, 15.3738

Complementary

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



17.0938, 18.3717, 29.4332



21.0125, 21.0868, 14.7677

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.



16.3669, 18.3717, 13.2715



17.0938, 18.3717, 29.4332



19.2819, 18.3717, 14.0953

Square

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



17.0938, 18.3717, 29.4332



20.5017, 18.3717, 21.0838



17.8349, 18.3717, 12.8396



14.7382, 18.3717, 18.9610

Rectangle

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



17.0938, 18.3717, 29.4332



19.5037, 18.3717, 26.7601



17.8349, 18.3717, 12.8396



15.5675, 18.3717, 14.4925

Sweetspot

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



17.0944, 18.3724, 29.4336



41.7847, 44.3703, 54.3356



18.8320, 24.3281, 22.3661



9.1321, 9.7071, 12.0646



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.



17.0944, 18.3724, 29.4336



27.6013, 29.6690, 52.2455



14.8030, 13.6646, 28.6457



5.3290, 5.6538, 6.8392



6.2534, 5.4928, 23.7077



0.0816, 0.0962, 0.2339

Inverse Universe

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



19.5906, 16.3245, 20.2083



32.8819, 25.7454, 32.6378



23.9203, 27.1023, 15.7755



5.5096, 5.4643, 6.1813



10.9595, 5.5408, 5.4382



0.1158, 0.0574, 0.1100

Previews

White Background



This preview shows how the XYZ color 17.0938, 18.3717, 29.4332 looks on a white background.

Color Contrast Check

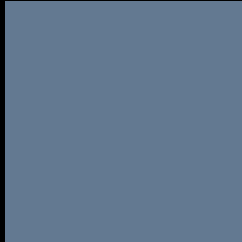
Large Text (above 18pt) WCAG AA ✓ Pass

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 17.0938, 18.3717, 29.4332 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

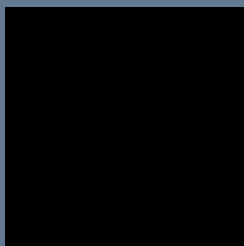
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

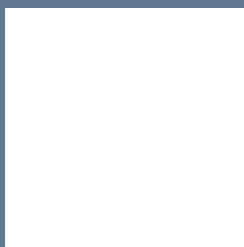
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 17.0938, 18.3717, 29.4332

Background



This preview shows how black text looks on a background with the XYZ color 17.0938, 18.3717, 29.4332.



This preview shows how white text looks on a background with the XYZ color 17.0938, 18.3717,

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

17.0938, 18.3717, 29.4332

Protanopia

18.1293, 18.2165, 28.5472

Deuteranopia

18.6362, 18.2791, 29.7401



Tritanopia

16.1405, 18.3462, 24.8808

Trichromacy



Original Color

17.0938, 18.3717, 29.4332

Protanomaly

17.6968, 18.1586, 28.9578

Deuteranomaly

18.0971, 18.3472, 29.7817

Tritanomaly

16.4047, 18.2666, 26.3281

Monochromacy



Original Color

17.0938, 18.3717, 29.4332

Achromatopsia

16.9083, 17.7888, 19.3720

Achromatomaly

16.7396, 17.8042, 22.6329

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.0938, 18.3717, 29.4332 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(99, 121, 145) looks like.

```
.text, #text, p{  
    color:rgb(99, 121, 145)  
}
```

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(99, 121, 145) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(99, 121, 145) }
```

Border

The CSS property to change the border of an element to XYZ 17.0938, 18.3717, 29.4332 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(99, 121, 145) }
```


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

```
.border{ border-color:rgb(99, 121, 145) }
```

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

Here you see how a box with a 4 pixel `rgb(99, 121, 145)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(99, 121, 145); -webkit-box-  
shadow:4px 4px 4px 4px rgb(99, 121, 145);  
box-shadow:4px 4px 4px 4px rgb(99, 121,  
145) }
```

Background

The CSS property to change the background color of an element to XYZ 17.0938, 18.3717, 29.4332 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(99, 121, 145) }
```

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

```
.background{ background-color: rgb(99, 121,  
145) }
```

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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