

Converting Colors

XYZ(17.1236, 18.7516, 29.5050)

Have a look what the booklet for
XYZ(17.1236, 18.7516, 29.5050)
contains.

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Color

**XYZ(17.1236, 18.7516,
29.5050)**

Conversions

Conversions Part 1

Format	Color
Hex	617B91
RGB	97, 123, 145
RGB Percent	38%, 48%, 57%
CMY	0.6196, 0.5176, 0.4314
CMYK	0.33, 0.15, 0.00, 0.43
HSL	207°, 20%, 47%
HSV	207°, 33%, 57%
XYZ	17.1236, 18.7516, 29.5050
YIQ	117.7340, -22.5580, 1.3300

Conversions

Conversions Part 2

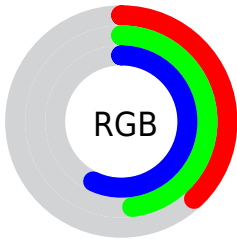
Format	Color
R _Y B	97, 114, 145
Decimal	6388625
CIE Lab	50.40, -3.79, -14.95
CIE LCh	50, 15.421, 255.763
Yxy	18.7516, 0.2619, 0.2868
Android (android.graphics.Color)	4284578705 (0xFF617B91)
YUV	117.7340, 13.4421, -18.1837
Hunter-Lab	43.3031, -5.1952, -10.0856

Details

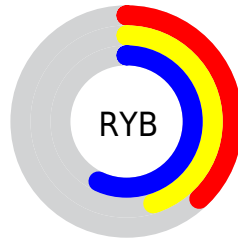
The XYZ color **17.1236, 18.7516, 29.5050** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **20.4320, 20.0770, 14.1083**, and the grayscale version is **17.1016, 17.9922, 19.5936**.

A 20% lighter version of the original color is **38.0332, 41.1730, 59.9755**, and **5.7333, 6.3522, 11.7504** is the 20% darker color. If you saturate the color by 10%, you get **14.9210, 16.4339, 29.1741**, and if you desaturate by 10%, it is **19.6658, 21.3283, 29.8687**.

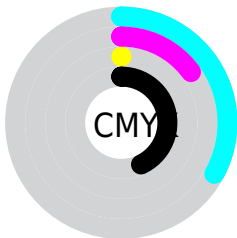
Distribution



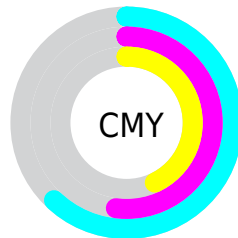
- Red (38%)
- Green (48%)
- Blue (57%)



- Red (38%)
- Yellow (45%)
- Blue (57%)



- Cyan (33%)
- Magenta (15%)
- Yellow (0%)
- Black (43%)



- Cyan (62%)
- Magenta (52%)
- Yellow (43%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 17.1236, 18.7516, 29.5050 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 17.1236, 18.7516, 29.5050 by changing the saturation by 10% instead.

■ 17.1236, 18.7516,
29.5050

■ 17.1236, 18.7516,
29.5050

229.0260,
245.0740, 313.7255

■ 10.4185, 11.4909,
19.2143

■ 38.0801, 41.3139,
59.9302

■ 5.7417, 6.3981,
11.6469

■ 53.0622, 57.3844,
80.9018

■ 2.7278, 3.0886,
6.3841

■ 71.5340, 77.1602,
106.2708

■ 1.0115, 1.1782,
3.0075

■ 93.8608, 101.0259,
136.4557

■ 0.0000, 0.0438,
1.0985

120.4081,
129.3656, 171.8751

■ 0.0000, 0.0000,
0.0000

151.5412,

162.5640, 212.9475

187.6253,
201.0053, 260.0914

■ 17.1236, 18.7516,
29.5050

■ 17.1236, 18.7516,
29.5050

■ 14.9210, 16.4339,
29.1741

■ 19.6658, 21.3283,
29.8687

■ 13.0397, 14.3629,
28.8735

■ 22.5611, 24.1714,
30.2649

■ 11.4624, 12.5283,
28.6025

■ 25.8245, 27.2904,
30.6949

■ 10.1689, 10.9181,
28.3599

■ 29.4694, 30.6938,
31.1597

■ 9.1367, 9.5189,
28.1442

■ 33.5086, 34.3897,
31.6602

■ 8.3391, 8.3149,
27.9538

■ 37.9542, 38.3858,
32.1972

■ 7.8740, 7.5706,
27.8347

■ 42.8179, 42.6894,
32.7715

■ 48.1109, 47.3078,
33.3840

■ 53.8437, 52.2476,
34.0353

Harmonies

Analogous

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



15.8875, 18.7516, 26.9180



17.1236, 18.7516, 29.5050



18.6170, 18.7516, 29.4324

Triad

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



17.1236, 18.7516, 29.5050



20.7419, 18.7516, 18.2568



15.8373, 18.7516, 15.1849

Complementary

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



17.1236, 18.7516, 29.5050



20.4320, 20.0770, 14.1083

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.



17.0516, 18.7516, 13.4613



17.1236, 18.7516, 29.5050



19.9093, 18.7516, 15.0578

Square

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



17.1236, 18.7516, 29.5050



20.7639, 18.7516, 22.5146



18.5408, 18.7516, 13.4183



15.1735, 18.7516, 18.4545

Rectangle

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



17.1236, 18.7516, 29.5050



19.5602, 18.7516, 27.8714



18.5408, 18.7516, 13.4183



16.1915, 18.7516, 14.4270

Sweetspot

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



17.1242, 18.7523, 29.5054



42.0252, 44.8515, 54.4158



18.3615, 24.1150, 21.0146



9.1917, 9.8263, 12.0844



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.



17.1242, 18.7523, 29.5054



27.5642, 30.3325, 52.3755



14.5411, 13.5861, 28.6444



5.3564, 5.7085, 6.8483



6.7799, 6.5458, 23.8832



0.0869, 0.1067, 0.2357

Inverse Universe

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



19.5274, 15.9999, 20.7986



32.6831, 24.9765, 33.7163



23.5977, 26.4083, 15.1635



5.5233, 5.4699, 6.2540



11.2253, 5.6471, 6.8378



0.1185, 0.0584, 0.1240

Previews

White Background



This preview shows how the XYZ color 17.1236, 18.7516, 29.5050 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 17.1236, 18.7516, 29.5050 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

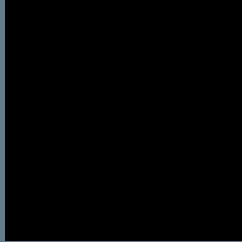
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

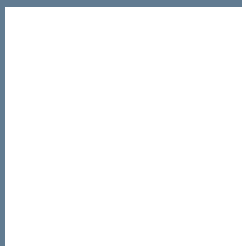
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 17.1236, 18.7516, 29.5050

Background



This preview shows how black text looks on a background with the XYZ color 17.1236, 18.7516, 29.5050.



This preview shows how white text looks on a background with the XYZ color 17.1236, 18.7516,

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

17.1236, 18.7516, 29.5050

Protanopia

18.5495, 18.7915, 28.2406

Deuteranopia

19.0208, 18.6495, 29.7913



Tritanopia

16.4261, 18.8494, 25.6942

Trichromacy



Original Color

17.1236, 18.7516, 29.5050

Protanomaly

17.8587, 18.6043, 28.6363

Deuteranomaly

18.2155, 18.5840, 29.8211

Tritanomaly

16.6917, 18.7662, 27.1686

Monochromacy



Original Color

17.1236, 18.7516, 29.5050

Achromatopsia

17.2197, 18.1164, 19.7288

Achromatomaly

17.0432, 18.3065, 23.0573

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.1236, 18.7516, 29.5050 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(97, 123, 145)` looks like.

```
.text, #text, p{  
    color:rgb(97, 123, 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(97, 123, 145) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(97, 123, 145) }
```

Border

The CSS property to change the border of an element to XYZ 17.1236, 18.7516, 29.5050 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(97, 123, 145) }
```


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

```
.border{ border-color:rgb(97, 123, 145) }
```

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

Here you see how a box with a 4 pixel `rgb(97, 123, 145)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(97, 123, 145); -webkit-box-  
shadow:4px 4px 4px 4px rgb(97, 123, 145);  
box-shadow:4px 4px 4px 4px rgb(97, 123,  
145) }
```

Background

The CSS property to change the background color of an element to XYZ 17.1236, 18.7516, 29.5050 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(97, 123, 145) }
```

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

```
.background{ background-color: rgb(97, 123,  
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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