

Converting Colors

XYZ(16.1781, 16.7014, 29.1591)

Have a look what the booklet for
XYZ(16.1781, 16.7014, 29.1591)
contains.

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Color

**XYZ(16.1652, 16.6756,
29.1548)**

Conversions

Conversions Part 1

Format	Color
Hex	627291
RGB	98, 114, 145
RGB Percent	38%, 45%, 57%
CMY	0.6157, 0.5529, 0.4314
CMYK	0.32, 0.21, 0.00, 0.43
HSL	220°, 19%, 48%
HSV	220°, 32%, 57%
XYZ	16.1652, 16.6756, 29.1548
YIQ	112.7500, -19.4870, 6.2490

Conversions

Conversions Part 2

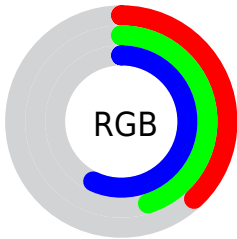
Format	Color
R_{YB}	98, 110, 145
Decimal	6451857
CIE _{Lab}	47.85, 1.81, -18.82
CIE _{LCh}	48, 18.911, 275.505
Yxy	16.6756, 0.2607, 0.2690
Android (android.graphics.Color)	4284641937 (0xFF627291)
YUV	112.7500, 15.8993, -12.9358
Hunter-Lab	40.8358, -0.8018, -13.7452

Details

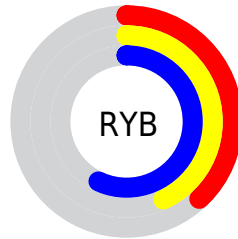
The XYZ color **16.1652, 16.6756, 29.1548** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **21.7324, 22.6027, 14.7733**, and the grayscale version is **15.5810, 16.3925, 17.8514**.

A 20% lighter version of the original color is **36.5227, 37.8800, 59.4194**, and **5.2352, 5.3575, 11.3479** is the 20% darker color. If you saturate the color by 10%, you get **13.7172, 13.8954, 28.7475**, and if you desaturate by 10%, it is **19.0105, 19.8289, 29.6138**.

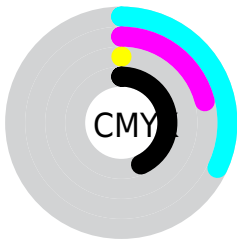
Distribution



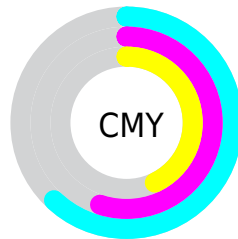
- Red (38%)
- Green (45%)
- Blue (57%)



- Red (38%)
- Yellow (43%)
- Blue (57%)



- Cyan (32%)
- Magenta (21%)
- Yellow (0%)
- Black (43%)



- Cyan (62%)
- Magenta (55%)
- Yellow (43%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.1652, 16.6756, 29.1548 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 16.1652, 16.6756, 29.1548 by changing the saturation by 10% instead.

■ 16.1652, 16.6756,
29.1548

■ 16.1652, 16.6756,
29.1548

223.5658,
233.2960, 312.0284

■ 9.7327, 10.0035,
18.9514

■ 36.4399, 37.7672,
59.3681

■ 5.2830, 5.4013,
11.4587

■ 51.0128, 52.9554,
80.2150

■ 2.4507, 2.4846,
6.2582

■ 69.0299, 71.7511,
105.4468

■ 0.8705, 0.8689,
2.9314

■ 90.8566, 94.5387,
135.4821

■ 0.0000, 0.0000,
1.0597

116.8582,
121.7026, 170.7393

■ 0.0000, 0.0000,
0.0000

147.4000,

153.6272, 211.6371

182.8474,
190.6969, 258.5939

■ 16.1652, 16.6756,
29.1548

■ 16.1652, 16.6756,
29.1548

■ 13.7172, 13.8954,
28.7475

■ 19.0105, 19.8289,
29.6138

■ 11.6462, 11.4714,
28.3888

■ 22.2691, 23.3673,
30.1250

■ 9.9323, 9.3885,
28.0771

■ 25.9577, 27.3044,
30.6905

■ 8.5531, 7.6295,
27.8102

■ 30.0919, 31.6528,
31.3120

■ 7.4832, 6.1752,
27.5859

■ 34.6864, 36.4245,
31.9908

■ 6.6933, 5.0042,
27.4015

■ 39.7551, 41.6308,
32.7286

■ 6.2244, 4.2713,
27.2848

■ 45.3115, 47.2827,
33.5267

■ 51.3684, 53.3908,
34.3864

■ 57.9380, 59.9653,
35.3092

Harmonies

Analogous

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



14.5332, 16.6756, 28.0728



16.1652, 16.6756, 29.1548



17.8240, 16.6756, 26.8895

Triad

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



16.1652, 16.6756, 29.1548



18.6611, 16.6756, 13.2464



13.0584, 16.6756, 14.5470

Complementary

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



16.1652, 16.6756, 29.1548



21.7324, 22.6027, 14.7733

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.



14.0268, 16.6756, 11.5549



16.1652, 16.6756, 29.1548



17.2433, 16.6756, 10.9034

Square

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



16.1652, 16.6756, 29.1548



19.3295, 16.6756, 17.2739



15.5382, 16.6756, 10.3445



12.8147, 16.6756, 19.0695

Rectangle

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



16.1652, 16.6756, 29.1548



18.6980, 16.6756, 23.9886



15.5382, 16.6756, 10.3445



13.3064, 16.6756, 13.3563

Sweetspot

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



16.1657, 16.6763, 29.1552



41.2687, 43.3385, 54.1636



19.0955, 24.4209, 24.3202



9.0045, 9.4521, 12.0220



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.



16.1657, 16.6763, 29.1552



25.6385, 26.1160, 51.6632



15.3107, 13.7867, 28.6425



5.2703, 5.5364, 6.8196



5.3610, 3.7081, 23.4103



0.0702, 0.0733, 0.2301

Inverse Universe

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



19.0825, 15.9707, 17.9971



31.8003, 24.9645, 28.0153



22.8034, 26.5320, 15.4753



5.4799, 5.4525, 6.0253



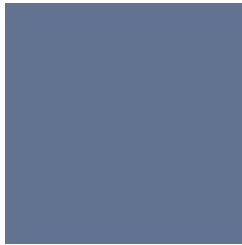
10.5091, 5.3607, 3.0664



0.1100, 0.0551, 0.0796

Previews

White Background



This preview shows how the XYZ color 16.1652, 16.6756, 29.1548 looks on a white background.

Color Contrast Check

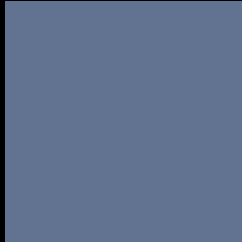
Large Text (above 18pt) WCAG AA ✓ Pass

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 16.1652, 16.6756, 29.1548 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

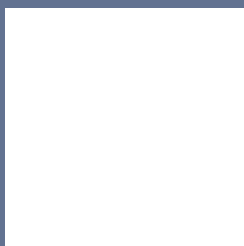
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 16.1652, 16.6756, 29.1548

Background



This preview shows how black text looks on a background with the XYZ color 16.1652, 16.6756, 29.1548.

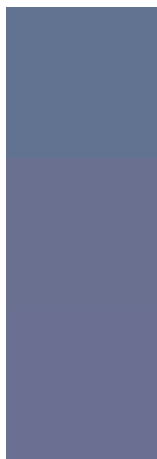


This preview shows how white text looks on a background with the XYZ color 16.1652, 16.6756,

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

16.1652, 16.6756, 29.1548

Protanopia

16.6539, 16.6052, 28.7129

Deuteranopia

16.9362, 16.5700, 29.4998



Tritanopia

14.8081, 16.6346, 22.5090

Trichromacy



Original Color

16.1652, 16.6756, 29.1548

Protanomaly

16.4187, 16.6487, 28.7337

Deuteranomaly

16.6914, 16.6067, 29.5198

Tritanomaly

15.2678, 16.6449, 24.9623

Monochromacy



Original Color

16.1652, 16.6756, 29.1548

Achromatopsia

15.6958, 16.5132, 17.9829

Achromatomaly

15.7911, 16.4791, 21.7505

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.1652, 16.6756, 29.1548 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(98, 114, 145) looks like.

```
.text, #text, p{  
    color:rgb(98, 114, 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(98, 114, 145) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(98, 114, 145) }
```

Border

The CSS property to change the border of an element to XYZ 16.1652, 16.6756, 29.1548 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(98, 114, 145) }
```


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

```
.border{ border-color:rgb(98, 114, 145) }
```

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

Here you see how a box with a 4 pixel `rgb(98, 114, 145)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(98, 114, 145); -webkit-box-  
shadow:4px 4px 4px 4px rgb(98, 114, 145);  
box-shadow:4px 4px 4px 4px rgb(98, 114,  
145) }
```

Background

The CSS property to change the background color of an element to XYZ 16.1652, 16.6756, 29.1548 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(98, 114, 145) }
```

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

```
.background{ background-color: rgb(98, 114,  
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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