

Converting Colors

XYZ(16.2126, 16.2676, 30.7195)

Have a look what the booklet for
XYZ(16.2126, 16.2676, 30.7195)
contains.

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Color

**XYZ(16.2560, 16.3549,
30.7338)**

Conversions

Conversions Part 1

Format	Color
Hex	627095
RGB	98, 112, 149
RGB Percent	38%, 44%, 58%
CMY	0.6157, 0.5608, 0.4157
CMYK	0.34, 0.25, 0.00, 0.42
HSL	224°, 21%, 48%
HSV	224°, 34%, 58%
XYZ	16.2560, 16.3549, 30.7338
YIQ	112.0320, -20.2210, 8.5390

Conversions

Conversions Part 2

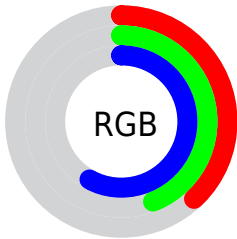
Format	Color
R_{YB}	98, 109, 149
Decimal	6451349
CIE _{Lab}	47.44, 4.11, -21.82
CIE _{LCh}	47, 22.204, 280.661
Yxy	16.3549, 0.2566, 0.2582
Android (android.graphics.Color)	4284641429 (0xFF627095)
YUV	112.0320, 18.2252, -12.3061
Hunter-Lab	40.4412, 0.9789, -16.7494

Details

The XYZ color **16.2560, 16.3549, 30.7338** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **23.2635, 24.5999, 15.0781**, and the grayscale version is **15.3634, 16.1635, 17.6020**.

A 20% lighter version of the original color is **36.6326, 37.3467, 61.7778**, and **5.3046, 5.2016, 12.2797** is the 20% darker color. If you saturate the color by 10%, you get **13.6736, 13.3583, 30.2918**, and if you desaturate by 10%, it is **19.2821, 19.7935, 31.2383**.

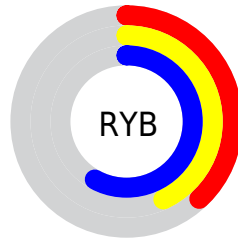
Distribution



Red (38%)

Green (44%)

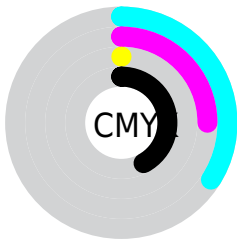
Blue (58%)



Red (38%)

Yellow (43%)

Blue (58%)

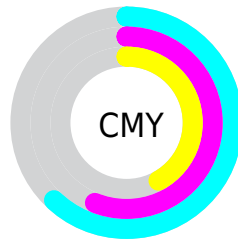


Cyan (34%)

Magenta (25%)

Yellow (0%)

Black (42%)



Cyan (62%)

Magenta (56%)

Yellow (42%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.2560, 16.3549, 30.7338 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 16.2560, 16.3549, 30.7338 by changing the saturation by 10% instead.

■ 16.2560, 16.3549,
30.7338

■ 16.2560, 16.3549,
30.7338

224.0884,
231.4269, 319.6232

■ 9.7975, 9.7756,
20.1395

■ 36.5959, 37.2132,
61.8954

■ 5.3261, 5.2505,
12.3114

■ 51.2081, 52.2611,
83.2997

■ 2.4766, 2.3950,
6.8310

■ 69.2688, 70.9006,
109.1444

■ 0.8835, 0.8233,
3.2798

■ 91.1434, 93.5162,
139.8481

■ 0.0000, 0.0000,
1.2392

117.1973,
120.4922, 175.8293

■ 0.0000, 0.0000,
0.0112

147.7959,

■ 0.0000, 0.0000,

152.2131, 217.5065

0.0000

183.3045,
189.0632, 265.2983

■ 16.2560, 16.3549,
30.7338

■ 16.2560, 16.3549,
30.7338

■ 13.6736, 13.3583,
30.2918

■ 19.2821, 19.7935,
31.2383

■ 11.5114, 10.7831,
29.9087

■ 22.7702, 23.6897,
31.8065

■ 9.7465, 8.6099,
29.5822

■ 26.7399, 28.0606,
32.4410

■ 8.3526, 6.8168,
29.3096

■ 31.2090, 32.9220,
33.1438

■ 7.3005, 5.3794,
29.0876

■ 36.1943, 38.2888,
33.9169

■ 6.5548, 4.2699,
28.9128

■ 41.7119, 44.1752,
34.7623

■ 6.2144, 3.7490,
28.8302

■ 47.7772, 50.5950,
35.6817

■ 54.4048, 57.5613,
36.6771

■ 61.6091, 65.0869,
37.7499

Harmonies

Analogous

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



14.3242, 16.3549, 30.1267



16.2560, 16.3549, 30.7338



18.1452, 16.3549, 27.3669

Triad

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



16.2560, 16.3549, 30.7338



18.5981, 16.3549, 11.6345



12.2384, 16.3549, 14.4522

Complementary

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



16.2560, 16.3549, 30.7338



23.2635, 24.5999, 15.0781

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.



13.2056, 16.3549, 10.7825



16.2560, 16.3549, 30.7338



16.8329, 16.3549, 9.4093

Square

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



16.2560, 16.3549, 30.7338



19.5713, 16.3549, 15.8757



14.8547, 16.3549, 9.1344



12.1124, 16.3549, 19.8904

Rectangle

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



16.2560, 16.3549, 30.7338



19.0853, 16.3549, 23.6678



14.8547, 16.3549, 9.1344



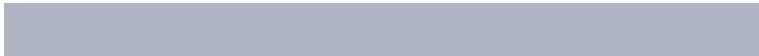
12.4718, 16.3549, 13.0048

Sweetspot

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



16.2565, 16.3555, 30.7342



43.5332, 45.4707, 57.4035



20.1265, 25.8286, 26.6810



9.4520, 9.8611, 12.6900



71.1368, 74.8414, 81.5023



11.3376, 11.9280, 12.9896

Same Dimension

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



16.2565, 16.3555, 30.7342



25.5250, 25.1381, 54.4281



16.1059, 14.1603, 30.3184



5.6214, 5.8767, 7.3078



5.2525, 3.1997, 24.2718



0.0863, 0.0831, 0.3044

Inverse Universe

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



19.6872, 16.2954, 17.4375



32.7077, 25.3368, 26.5165



23.4254, 27.7761, 15.6826



5.8623, 5.8400, 6.3812



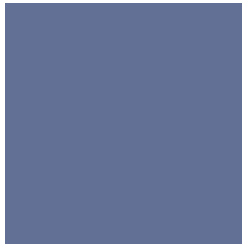
10.7783, 5.5164, 2.3135



0.1430, 0.0720, 0.0868

Previews

White Background



This preview shows how the XYZ color 16.2560, 16.3549, 30.7338 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 16.2560, 16.3549, 30.7338 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

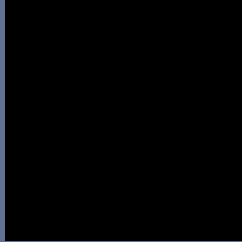
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

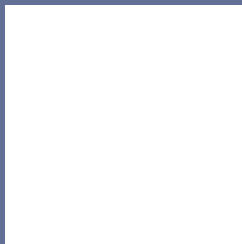
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 16.2560, 16.3549, 30.7338

Background



This preview shows how black text looks on a background with the XYZ color 16.2560, 16.3549, 30.7338.

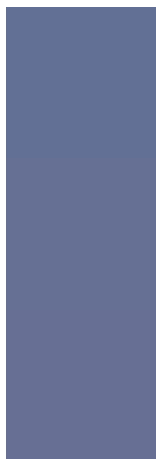


This preview shows how white text looks on a background with the XYZ color 16.2560, 16.3549,

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

16.2560, 16.3549, 30.7338

Protanopia

16.5092, 16.3318, 30.2992

Deuteranopia

16.7028, 16.4224, 30.7233



Tritanopia

14.5255, 16.3243, 22.1240

Trichromacy



Original Color

16.2560, 16.3549, 30.7338

Protanomaly

16.3966, 16.2737, 30.2939

Deuteranomaly

16.4761, 16.3055, 30.7127

Tritanomaly

15.1531, 16.4156, 24.9241

Monochromacy



Original Color

16.2560, 16.3549, 30.7338

Achromatopsia

15.4009, 16.2029, 17.6450

Achromatomaly

15.5592, 16.1948, 21.7079

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.2560, 16.3549, 30.7338 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, 112, 149) looks like.

```
.text, #text, p{  
    color:rgb(98, 112, 149)  
}
```

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, 112, 149) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(98, 112, 149) }
```

Border

The CSS property to change the border of an element to XYZ 16.2560, 16.3549, 30.7338 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, 112, 149) }
```


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

```
.border{ border-color:rgb(98, 112, 149) }
```

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

Here you see how a box with a 4 pixel rgb(98, 112, 149) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(98, 112, 149); -webkit-box-  
shadow:4px 4px 4px 4px rgb(98, 112, 149);  
box-shadow:4px 4px 4px 4px rgb(98, 112,  
149) }
```

Background

The CSS property to change the background color of an element to XYZ 16.2560, 16.3549, 30.7338 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(98, 112, 149) }
```

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

```
.background{ background-color: rgb(98, 112,  
149) }
```

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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