

Converting Colors

XYZ(14.8380, 16.1796, 29.2707)

Have a look what the booklet for
XYZ(14.8380, 16.1796, 29.2707)
contains.

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Color

**XYZ(14.8088, 16.1448,
29.1238)**

Conversions

Conversions Part 1

Format	Color
Hex	537391
RGB	83, 115, 145
RGB Percent	33%, 45%, 57%
CMY	0.6745, 0.5490, 0.4314
CMYK	0.43, 0.21, 0.00, 0.43
HSL	209°, 27%, 45%
HSV	209°, 43%, 57%
XYZ	14.8088, 16.1448, 29.1238
YIQ	108.8520, -28.7020, 2.5460

Conversions

Conversions Part 2

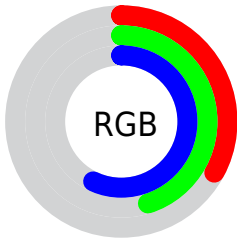
Format	Color
R_{YB}	83, 104, 145
Decimal	5469073
CIE _{Lab}	47.16, -3.21, -19.96
CIE _{LCh}	47, 20.216, 260.864
Yxy	16.1448, 0.2465, 0.2687
Android (android.graphics.Color)	4283659153 (0xFF537391)
YUV	108.8520, 17.8210, -22.6722
Hunter-Lab	40.1806, -4.5288, -14.8483

Details

The XYZ color **14.8088, 16.1448, 29.1238** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **19.1438, 18.4547, 10.7372**, and the grayscale version is **14.4513, 15.2039, 16.5570**.

A 20% lighter version of the original color is **34.1192, 36.9119, 59.3593**, and **4.6232, 5.1295, 11.3361** is the 20% darker color. If you saturate the color by 10%, you get **12.8911, 14.0136, 28.8138**, and if you desaturate by 10%, it is **17.0561, 18.5369, 29.4674**.

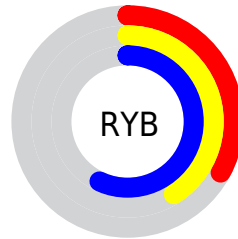
Distribution



Red (33%)

Green (45%)

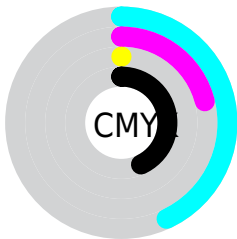
Blue (57%)



Red (33%)

Yellow (41%)

Blue (57%)

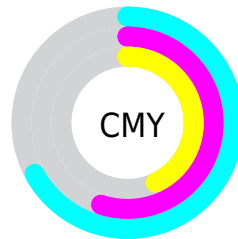


Cyan (43%)

Magenta (21%)

Yellow (0%)

Black (43%)



Cyan (67%)

Magenta (55%)

Yellow (43%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 14.8088, 16.1448, 29.1238 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 14.8088, 16.1448, 29.1238 by changing the saturation by 10% instead.

■ 14.8088, 16.1448,
29.1238

■ 14.8088, 16.1448,
29.1238

215.6174,
230.1946, 311.8778

■ 8.7707, 9.6267,
18.9281

■ 34.0918, 36.8494,
59.3183

■ 4.6479, 5.1521,
11.4421

■ 48.0675, 51.8047,
80.1541

■ 2.0748, 2.3368,
6.2471

■ 65.4198, 70.3411,
105.3737

■ 0.6755, 0.7931,
2.9247

■ 86.5140, 92.8431,
135.3957

■ 0.0000, 0.0000,
1.0563

■ 111.7155,
119.6951, 170.6386

■ 0.0000, 0.0000,
0.0000

141.3897,

151.2814, 211.5209

175.9019,
187.9864, 258.4611

■ 14.8088, 16.1448,
29.1238

■ 14.8088, 16.1448,
29.1238

■ 12.8911, 14.0136,
28.8138

■ 17.0561, 18.5369,
29.4674

■ 11.2831, 12.1303,
28.5350

■ 19.6480, 21.1987,
29.8445

■ 9.9654, 10.4828,
28.2865

■ 22.6005, 24.1407,
30.2568

■ 8.9150, 9.0575,
28.0667

■ 25.9282, 27.3720,
30.7051

■ 8.1054, 7.8381,
27.8740

■ 29.6445, 30.9016,
31.1905

■ 7.6162, 7.0550,
27.7487

■ 33.7625, 34.7378,
31.7139

■ 38.2945, 38.8886,
32.2763

■ 43.2522, 43.3617,
32.8784

■ 48.6469, 48.1646,
33.5211

Harmonies

Analogous

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



13.2873, 16.1448, 26.3179



14.8088, 16.1448, 29.1238



16.5950, 16.1448, 28.4049

Triad

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



14.8088, 16.1448, 29.1238



18.7659, 16.1448, 14.3178



12.8436, 16.1448, 12.0959

Complementary

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



14.8088, 16.1448, 29.1238



19.1438, 18.4547, 10.7372

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.



14.1597, 16.1448, 9.9264



14.8088, 16.1448, 29.1238



17.6053, 16.1448, 11.0266

Square

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



14.8088, 16.1448, 29.1238



18.9734, 16.1448, 19.1795



15.8943, 16.1448, 9.5769



12.2117, 16.1448, 16.0700

Rectangle

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



14.8088, 16.1448, 29.1238



17.6920, 16.1448, 26.0703



15.8943, 16.1448, 9.5769



13.2156, 16.1448, 11.1662

Sweetspot

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



14.8093, 16.1454, 29.1242



40.1862, 42.9490, 54.1455



16.6718, 23.2816, 19.2285



8.6936, 9.3114, 12.0113



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.



14.8093, 16.1454, 29.1242



23.3059, 25.3465, 51.6376



11.8514, 10.2296, 28.1382



5.3453, 5.6864, 6.8446



6.5587, 6.1034, 23.8095



0.0848, 0.1025, 0.2350

Inverse Universe

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



17.8652, 13.4445, 17.8738



29.6719, 20.4723, 28.0320



23.2069, 26.5810, 12.0915



5.5178, 5.4676, 6.2246



11.1137, 5.6025, 6.2498



0.1174, 0.0580, 0.1184

Previews

White Background



This preview shows how the XYZ color 14.8088, 16.1448, 29.1238 looks on a white background.

Color Contrast Check

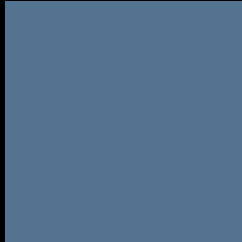
Large Text (above 18pt) WCAG AA ✓ Pass

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 14.8088, 16.1448, 29.1238 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

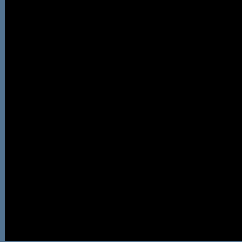
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

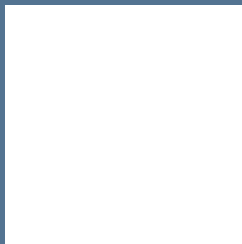
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 14.8088, 16.1448, 29.1238

Background



This preview shows how black text looks on a background with the XYZ color 14.8088, 16.1448, 29.1238.

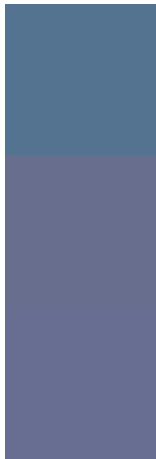


This preview shows how white text looks on a background with the XYZ color 14.8088, 16.1448,

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

14.8088, 16.1448, 29.1238

Protanopia

16.1673, 16.0479, 27.8366

Deuteranopia

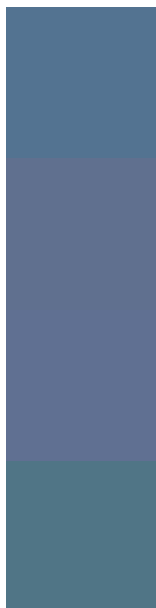
16.4732, 16.1702, 29.4471



Tritanopia

13.5166, 16.1351, 22.8241

Trichromacy



Original Color

14.8088, 16.1448, 29.1238

Protanomaly

15.5760, 16.0583, 28.2652

Deuteranomaly

15.8063, 16.1505, 29.4784

Tritanomaly

13.9726, 16.1493, 24.9349

Monochromacy



Original Color

14.8088, 16.1448, 29.1238

Achromatopsia

14.5356, 15.2926, 16.6537

Achromatomaly

14.4528, 15.4833, 20.6392

CSS Examples

Text

The CSS property to change the color of the text to XYZ 14.8088, 16.1448, 29.1238 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(83, 115, 145)` looks like.

```
.text, #text, p{  
    color:rgb(83, 115, 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(83, 115, 145) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(83, 115, 145) }
```

Border

The CSS property to change the border of an element to XYZ 14.8088, 16.1448, 29.1238 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(83, 115, 145) }
```


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

```
.border{ border-color:rgb(83, 115, 145) }
```

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

Here you see how a box with a 4 pixel `rgb(83, 115, 145)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(83, 115, 145); -webkit-box-  
shadow:4px 4px 4px 4px rgb(83, 115, 145);  
box-shadow:4px 4px 4px 4px rgb(83, 115,  
145) }
```

Background

The CSS property to change the background color of an element to XYZ 14.8088, 16.1448, 29.1238 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(83, 115, 145) }
```

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

```
.background{ background-color: rgb(83, 115,  
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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