

Converting Colors

XYZ(15.1567, 16.3458, 28.8768)

Have a look what the booklet for
XYZ(15.1567, 16.3458, 28.8768)
contains.

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Color

**XYZ(15.0953, 16.3013,
28.7364)**

Conversions

Conversions Part 1

Format	Color
Hex	577390
RGB	87, 115, 144
RGB Percent	34%, 45%, 56%
CMY	0.6588, 0.5490, 0.4353
CMYK	0.40, 0.20, 0.00, 0.44
HSL	211°, 25%, 45%
HSV	211°, 40%, 56%
XYZ	15.0953, 16.3013, 28.7364
YIQ	109.9340, -25.9970, 3.0830

Conversions

Conversions Part 2

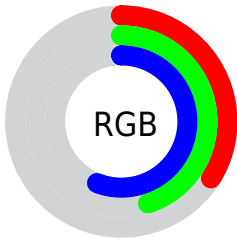
Format	Color
R _Y B	87, 106, 144
Decimal	5731216
CIE Lab	47.37, -2.36, -19.03
CIE LCh	47, 19.180, 262.924
Yxy	16.3013, 0.2510, 0.2711
Android (android.graphics.Color)	4283921296 (0xFF577390)
YUV	109.9340, 16.7945, -20.1131
Hunter-Lab	40.3749, -3.9187, -13.9366

Details

The XYZ color **15.0953, 16.3013, 28.7364** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **19.4678, 19.1088, 11.6798**, and the grayscale version is **14.7613, 15.5300, 16.9122**.

A 20% lighter version of the original color is **34.6592, 37.2036, 58.7804**, and **4.7905, 5.2158, 11.3439** is the 20% darker color. If you saturate the color by 10%, you get **13.0802, 14.0714, 28.4125**, and if you desaturate by 10%, it is **17.4461, 18.8035, 29.0958**.

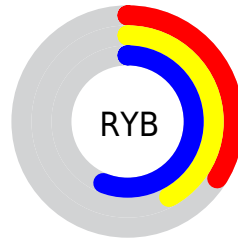
Distribution



Red (34%)

Green (45%)

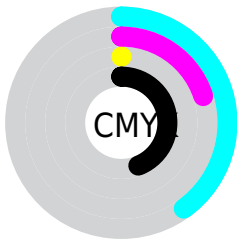
Blue (56%)



Red (34%)

Yellow (42%)

Blue (56%)

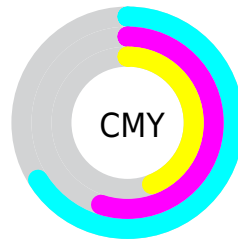


Cyan (40%)

Magenta (20%)

Yellow (0%)

Black (44%)



Cyan (66%)

Magenta (55%)

Yellow (44%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.0953, 16.3013, 28.7364 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 15.0953, 16.3013, 28.7364 by changing the saturation by 10% instead.

■ 15.0953, 16.3013,
28.7364

■ 15.0953, 16.3013,
28.7364

217.3193,
231.1131, 309.9911

■ 8.9730, 9.7376,
18.6376

■ 34.5906, 37.1205,
58.6952

■ 4.7806, 5.2253,
11.2346

■ 48.6943, 52.1448,
79.3923

■ 2.1525, 2.3801,
6.1087

■ 66.1892, 70.7581,
104.4593

■ 0.7175, 0.8156,
2.8414

■ 87.4407, 93.3447,
134.3147

■ 0.0000, 0.0000,
1.0142

■ 112.8141,
120.2892, 169.3770

■ 0.0000, 0.0000,
0.0000

142.6747,

151.9758, 210.0648

177.3880,
188.7890, 256.7967

■ 15.0953, 16.3013,
28.7364

■ 15.0953, 16.3013,
28.7364

■ 13.0802, 14.0714,
28.4125

■ 17.4461, 18.8035,
29.0958

■ 11.3816, 12.1007,
28.1216

■ 20.1472, 21.5867,
29.4906

■ 9.9807, 10.3774,
27.8628

■ 23.2142, 24.6615,
29.9225

■ 8.8558, 8.8879,
27.6346

■ 26.6613, 28.0372,
30.3924

■ 7.9819, 7.6167,
27.4353

■ 30.5018, 31.7227,
30.9013

■ 7.2976, 6.5295,
27.2615

■ 34.7484, 35.7266,
31.4503

■ 7.2706, 6.4867,
27.2547

■ 39.4132, 40.0569,
32.0403

■ 44.5078, 44.7214,
32.6721

■ 50.0433, 49.7278,
33.3467

Harmonies

Analogous

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



13.6082, 16.3013, 26.3011



15.0953, 16.3013, 28.7364



16.8004, 16.3013, 27.8263

Triad

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



15.0953, 16.3013, 28.7364



18.6988, 16.3013, 14.3514



13.0328, 16.3013, 12.6891

Complementary

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



15.0953, 16.3013, 28.7364



19.4678, 19.1088, 11.6798

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.



14.2569, 16.3013, 10.4566



15.0953, 16.3013, 28.7364



17.5462, 16.3013, 11.2869

Square

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



15.0953, 16.3013, 28.7364



18.9641, 16.3013, 18.9259



15.8994, 16.3013, 9.9948



12.4751, 16.3013, 16.6226

Rectangle

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



15.0953, 16.3013, 28.7364



17.8249, 16.3013, 25.5122



15.8994, 16.3013, 9.9948



13.3756, 16.3013, 11.7464

Sweetspot

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



15.0958, 16.3019, 28.7368



39.4381, 42.0004, 52.5663



17.0276, 23.2225, 19.9565



8.9010, 9.4888, 12.0346



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.



15.0958, 16.3019, 28.7368



23.6064, 25.4232, 50.2010



12.3734, 10.8570, 27.8293



5.3346, 5.6650, 6.8410



6.3548, 5.6955, 23.7415



0.0827, 0.0983, 0.2343

Inverse Universe

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



18.0048, 13.9841, 17.9705



29.5711, 21.2593, 27.9934



23.1955, 26.5643, 12.9224



5.5124, 5.4655, 6.1961



11.0107, 5.5613, 5.7077



0.1163, 0.0576, 0.1129

Previews

White Background



This preview shows how the XYZ color 15.0953, 16.3013, 28.7364 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 15.0953, 16.3013, 28.7364 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

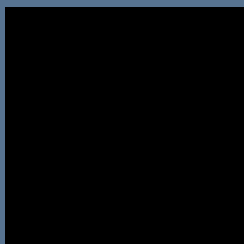
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

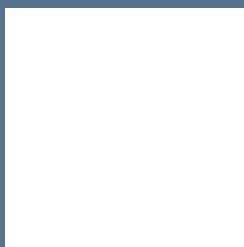
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 15.0953, 16.3013, 28.7364

Background



This preview shows how black text looks on a background with the XYZ color 15.0953, 16.3013, 28.7364.

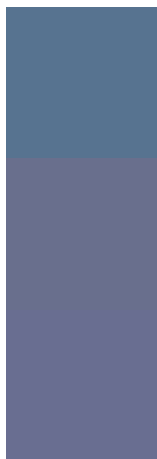


This preview shows how white text looks on a background with the XYZ color 15.0953, 16.3013,

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

15.0953, 16.3013, 28.7364

Protanopia

16.3179, 16.2952, 27.4846

Deuteranopia

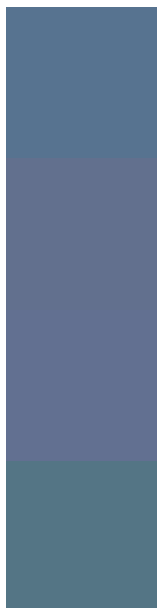
16.5125, 16.1995, 29.0446



Tritanopia

13.8765, 16.3282, 22.4990

Trichromacy



Original Color

15.0953, 16.3013, 28.7364

Protanomaly

15.7137, 16.1380, 27.8779

Deuteranomaly

15.9420, 16.2293, 29.0804

Tritanomaly

14.2511, 16.3009, 24.5856

Monochromacy



Original Color

15.0953, 16.3013, 28.7364

Achromatopsia

14.8208, 15.5926, 16.9804

Achromatomaly

14.7865, 15.8183, 20.6863

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.0953, 16.3013, 28.7364 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(87, 115, 144)` looks like.

```
.text, #text, p{  
    color:rgb(87, 115, 144)  
}
```

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(87, 115, 144) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 115, 144) }
```

Border

The CSS property to change the border of an element to XYZ 15.0953, 16.3013, 28.7364 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(87, 115, 144) }
```


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

```
.border{ border-color:rgb(87, 115, 144) }
```

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

Here you see how a box with a 4 pixel `rgb(87, 115, 144)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(87, 115, 144); -webkit-box-  
shadow:4px 4px 4px 4px rgb(87, 115, 144);  
box-shadow:4px 4px 4px 4px rgb(87, 115,  
144) }
```

Background

The CSS property to change the background color of an element to XYZ 15.0953, 16.3013, 28.7364 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(87, 115, 144) }
```

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

```
.background{ background-color: rgb(87, 115,  
144) }
```

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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