

Converting Colors

XYZ(13.7154, 15.8148, 29.7824)

Have a look what the booklet for
XYZ(13.7154, 15.8148, 29.7824)
contains.

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Color

**XYZ(13.6918, 15.7212,
29.9166)**

Conversions

Conversions Part 1

Format	Color
Hex	417493
RGB	65, 116, 147
RGB Percent	25%, 45%, 58%
CMY	0.7451, 0.5451, 0.4235
CMYK	0.56, 0.21, 0.00, 0.42
HSL	203°, 39%, 42%
HSV	203°, 56%, 58%
XYZ	13.6918, 15.7212, 29.9166
YIQ	104.2850, -40.3470, -1.1710

Conversions

Conversions Part 2

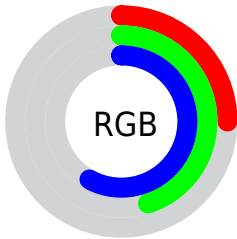
Format	Color
R _{YB}	65, 96, 147
Decimal	4289683
CIE _{Lab}	46.61, -7.75, -22.08
CIE _{LCh}	47, 23.399, 250.659
Yxy	15.7212, 0.2308, 0.2650
Android (android.graphics.Color)	4282479763 (0xFF417493)
YUV	104.2850, 21.0585, -34.4529
Hunter-Lab	39.6500, -7.7484, -16.9804

Details

The XYZ color **13.6918, 15.7212, 29.9166** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **17.1700, 14.9509, 6.9824**, and the grayscale version is **13.1880, 13.8748, 15.1096**.

A 20% lighter version of the original color is **32.1530, 36.1442, 60.5402**, and **4.1784, 4.9788, 11.8071** is the 20% darker color. If you saturate the color by 10%, you get **12.2209, 14.0405, 29.6700**, and if you desaturate by 10%, it is **15.4553, 17.6103, 30.1886**.

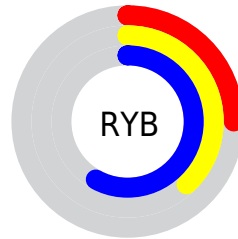
Distribution



Red (25%)

Green (45%)

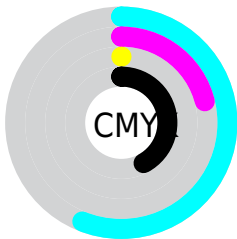
Blue (58%)



Red (25%)

Yellow (38%)

Blue (58%)

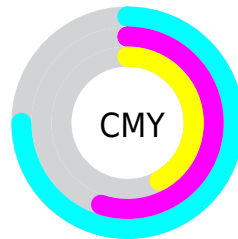


Cyan (56%)

Magenta (21%)

Yellow (0%)

Black (42%)



Cyan (75%)

Magenta (55%)

Yellow (42%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.6918, 15.7212, 29.9166 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 13.6918, 15.7212, 29.9166 by changing the saturation by 10% instead.

■ 13.6918, 15.7212,
29.9166

■ 13.6918, 15.7212,
29.9166

208.8542,
227.6909, 315.7107

■ 7.9869, 9.3271,
19.5238

■ 32.1320, 36.1135,
60.5897

■ 4.1383, 4.9551,
11.8687

■ 45.5980, 50.8805,
81.7071

■ 1.7807, 2.2210,
6.5329

■ 62.3818, 69.2072,
107.2364

■ 0.5060, 0.7314,
3.0978

■ 82.8487, 91.4781,
137.5961

■ 0.0000, 0.0000,
1.1448

■ 107.3640,
118.0775, 173.2049

■ 0.0000, 0.0000,
0.0000

136.2931,

149.3899, 214.4812

170.0014,
185.7995, 261.8437

■ 13.6918, 15.7212,
29.9166

■ 13.6918, 15.7212,
29.9166

■ 12.2209, 14.0405,
29.6700

■ 15.4553, 17.6103,
30.1886

■ 11.0204, 12.5548,
29.4465

■ 17.5285, 19.7165,
30.4859

■ 10.0669, 11.2513,
29.2452

■ 19.9289, 22.0503,
30.8098

■ 9.3267, 10.1117,
29.0642

■ 22.6720, 24.6204,
31.1613

■ 9.0443, 9.6621,
28.9923

■ 25.7725, 27.4354,
31.5412

■ 29.2441, 30.5032,
31.9504

■ 33.0997, 33.8313,
32.3896

■ 37.3516, 37.4269,
32.8595

■ 42.0116, 41.2968,
33.3609

Harmonies

Analogous

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



12.1835, 15.7212, 25.4436



13.6918, 15.7212, 29.9166



15.6731, 15.7212, 30.5539

Triad

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



13.6918, 15.7212, 29.9166



19.0973, 15.7212, 15.1401



12.5503, 15.7212, 9.9855

Complementary

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



13.6918, 15.7212, 29.9166



17.1700, 14.9509, 6.9824

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.



14.2350, 15.7212, 8.3428



13.6918, 15.7212, 29.9166



18.0894, 15.7212, 10.8407

Square

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



13.6918, 15.7212, 29.9166



18.9184, 15.7212, 21.0756



16.2672, 15.7212, 8.6158



11.5668, 15.7212, 13.6892

Rectangle

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



13.6918, 15.7212, 29.9166



17.0136, 15.7212, 28.5905



16.2672, 15.7212, 8.6158



13.0468, 15.7212, 9.2163

Sweetspot

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



13.6923, 15.7218, 29.9170



39.7894, 43.3404, 55.7030



14.6827, 22.8191, 14.4736



8.8760, 9.7013, 12.6895



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.



13.6923, 15.7218, 29.9170



21.2823, 24.4205, 53.0265



10.0268, 8.3906, 28.6951



5.7818, 6.1975, 7.3612



7.8651, 8.4250, 25.1427



0.1247, 0.1601, 0.3172

Inverse Universe

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



17.0757, 11.2451, 17.7941



28.2759, 16.6537, 27.6347



21.8007, 24.2122, 8.5259



5.9433, 5.8724, 6.8075



12.0970, 6.0439, 9.2579



0.1624, 0.0797, 0.1890

Previews

White Background



This preview shows how the XYZ color 13.6918, 15.7212, 29.9166 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 13.6918, 15.7212, 29.9166 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

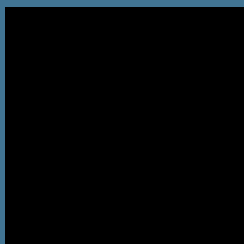
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

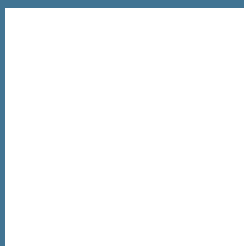
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 13.6918, 15.7212, 29.9166

Background



This preview shows how black text looks on a background with the XYZ color 13.6918, 15.7212, 29.9166.

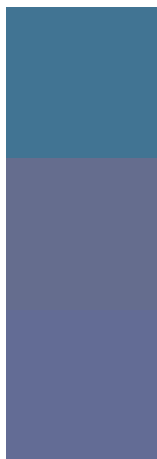


This preview shows how white text looks on a background with the XYZ color 13.6918, 15.7212,

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

13.6918, 15.7212, 29.9166

Protanopia

15.7180, 15.6570, 27.7849

Deuteranopia

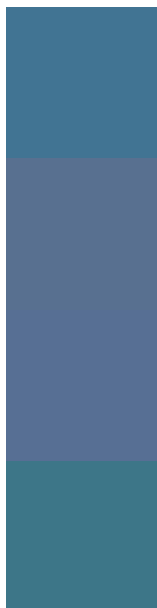
15.9330, 15.5477, 30.5950



Tritanopia

12.3042, 15.6782, 23.1466

Trichromacy



Original Color

13.6918, 15.7212, 29.9166

Protanomaly

14.8527, 15.6767, 28.6286

Deuteranomaly

14.9602, 15.5332, 30.2267

Tritanomaly

12.8468, 15.7265, 25.6510

Monochromacy



Original Color

13.6918, 15.7212, 29.9166

Achromatopsia

13.1579, 13.8432, 15.0752

Achromatomaly

12.9692, 14.2548, 19.8372

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.6918, 15.7212, 29.9166 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(65, 116, 147)` looks like.

```
.text, #text, p{  
    color:rgb(65, 116, 147)  
}
```

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(65, 116, 147) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(65, 116, 147) }
```

Border

The CSS property to change the border of an element to XYZ 13.6918, 15.7212, 29.9166 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(65, 116, 147) }
```


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

```
.border{ border-color:rgb(65, 116, 147) }
```

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

Here you see how a box with a 4 pixel `rgb(65, 116, 147)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(65, 116, 147); -webkit-box-  
shadow:4px 4px 4px 4px rgb(65, 116, 147);  
box-shadow:4px 4px 4px 4px rgb(65, 116,  
147) }
```

Background

The CSS property to change the background color of an element to XYZ 13.6918, 15.7212, 29.9166 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(65, 116, 147) }
```

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

```
.background{ background-color: rgb(65, 116,  
147) }
```

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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