

Converting Colors

XYZ(13.3115, 15.2997, 28.7596)

Have a look what the booklet for
XYZ(13.3115, 15.2997, 28.7596)
contains.

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Color

**XYZ(13.3447, 15.3989,
28.6545)**

Conversions

Conversions Part 1

Format	Color
Hex	417390
RGB	65, 115, 144
RGB Percent	25%, 45%, 56%
CMY	0.7451, 0.5490, 0.4353
CMYK	0.55, 0.20, 0.00, 0.44
HSL	202°, 38%, 41%
HSV	202°, 55%, 56%
XYZ	13.3447, 15.3989, 28.6545
YIQ	103.3560, -39.1090, -1.5810

Conversions

Conversions Part 2

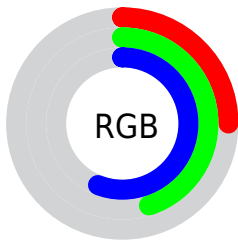
Format	Color
R _{YB}	65, 96, 144
Decimal	4289424
CIE _{Lab}	46.18, -8.13, -20.97
CIE _{LCh}	46, 22.487, 248.814
Yxy	15.3989, 0.2325, 0.2683
Android (android.graphics.Color)	4282479504 (0xFF417390)
YUV	103.3560, 20.0375, -33.6382
Hunter-Lab	39.2414, -7.9706, -15.8252

Details

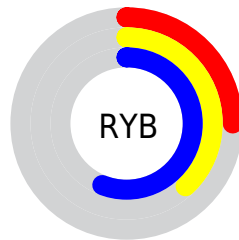
The XYZ color **13.3447, 15.3989, 28.6545** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **16.4588, 14.3167, 6.8974**, and the grayscale version is **12.9428, 13.6168, 14.8287**.

A 20% lighter version of the original color is **31.6195, 35.6366, 58.6381**, and **4.0275, 4.8225, 11.3082** is the 20% darker color. If you saturate the color by 10%, you get **11.9247, 13.7978, 28.4206**, and if you desaturate by 10%, it is **15.0433, 17.1956, 28.9121**.

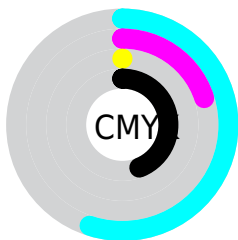
Distribution



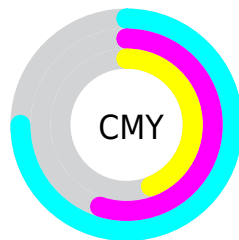
- Red (25%)
- Green (45%)
- Blue (56%)



- Red (25%)
- Yellow (38%)
- Blue (56%)



- Cyan (55%)
- Magenta (20%)
- Yellow (0%)
- Black (44%)



- Cyan (75%)
- Magenta (55%)
- Yellow (44%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.3447, 15.3989, 28.6545 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 13.3447, 15.3989, 28.6545 by changing the saturation by 10% instead.

■ 13.3447, 15.3989,
28.6545

■ 13.3447, 15.3989,
28.6545

206.7084,
225.7681, 309.5910

■ 7.7450, 9.0998,
18.5763

■ 31.5178, 35.5515,
58.5633

■ 3.9826, 4.8063,
11.1908

■ 44.8218, 50.1737,
79.2310

■ 1.6923, 2.1341,
6.0795

■ 61.4246, 68.3392,
104.2656

■ 0.4514, 0.6837,
2.8239

■ 81.6916, 90.4322,
134.0856

■ 0.0000, 0.0000,
1.0055

■ 105.9881,
116.8373, 169.1097

■ 0.0000, 0.0000,
0.0000

134.6795,

147.9386, 209.7562

168.1312,
184.1208, 256.4438

■ 13.3447, 15.3989,
28.6545

■ 13.3447, 15.3989,
28.6545

■ 11.9247, 13.7978,
28.4206

■ 15.0433, 17.1956,
28.9121

■ 10.7624, 12.3798,
28.2081

■ 17.0365, 19.1959,
29.1931

■ 9.8361, 11.1330,
28.0163

■ 19.3407, 21.4095,
29.4989

■ 9.1168, 10.0416,
27.8436

■ 21.9705, 23.8449,
29.8304

■ 8.7872, 9.5199,
27.7602

■ 24.9398, 26.5097,
30.1883

■ 28.2615, 29.4114,
30.5733

■ 31.9477, 32.5572,
30.9862

■ 36.0100, 35.9536,
31.4276

■ 40.4595, 39.6071,
31.8983

Harmonies

Analogous

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



11.9491, 15.3989, 24.2878



13.3447, 15.3989, 28.6545



15.2080, 15.3989, 29.5040

Triad

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



13.3447, 15.3989, 28.6545



18.5871, 15.3989, 15.2015



12.4463, 15.3989, 9.8160

Complementary

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



13.3447, 15.3989, 28.6545



16.4588, 14.3167, 6.8974

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.



14.0789, 15.3989, 8.3521



13.3447, 15.3989, 28.6545



17.6986, 15.3989, 10.9848

Square

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



13.3447, 15.3989, 28.6545



18.3471, 15.3989, 20.8764



16.0084, 15.3989, 8.7275



11.4628, 15.3989, 13.2354

Rectangle

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



13.3447, 15.3989, 28.6545



16.4846, 15.3989, 27.8149



16.0084, 15.3989, 8.7275



12.9314, 15.3989, 9.1170

Sweetspot

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



13.3452, 15.3995, 28.6549



38.0323, 41.4005, 52.5246



14.1725, 21.8782, 14.0583



8.5212, 9.3100, 12.0201



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.



13.3452, 15.3995, 28.6549



20.4798, 23.6826, 50.0298



9.7668, 8.2427, 27.4621



5.3961, 5.7879, 6.8615



7.6748, 8.3357, 24.1815



0.0945, 0.1219, 0.2382

Inverse Universe

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



16.4868, 10.9481, 17.4645



26.8913, 15.9698, 26.8842



20.9076, 23.2144, 8.3803



5.5434, 5.4779, 6.3595



11.6770, 5.8278, 9.2164



0.1223, 0.0600, 0.1442

Previews

White Background



This preview shows how the XYZ color 13.3447, 15.3989, 28.6545 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 13.3447, 15.3989, 28.6545 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

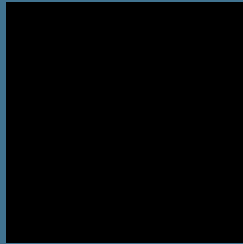
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 13.3447, 15.3989, 28.6545

Background



This preview shows how black text looks on a background with the XYZ color 13.3447, 15.3989, 28.6545.

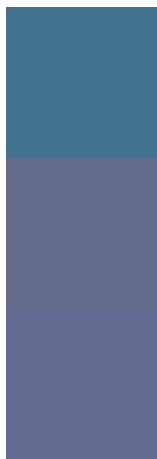


This preview shows how white text looks on a background with the XYZ color 13.3447, 15.3989,

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

13.3447, 15.3989, 28.6545

Protanopia

15.3896, 15.3559, 26.5790

Deuteranopia

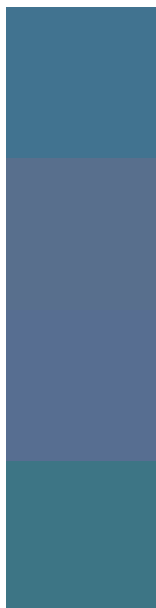
15.5916, 15.2434, 29.3146



Tritanopia

12.1128, 15.4190, 22.4164

Trichromacy



Original Color

13.3447, 15.3989, 28.6545

Protanomaly

14.5167, 15.3667, 27.4003

Deuteranomaly

14.6172, 15.2224, 28.9559

Tritanomaly

12.5194, 15.4081, 24.5045

Monochromacy



Original Color

13.3447, 15.3989, 28.6545

Achromatopsia

12.8919, 13.5633, 14.7705

Achromatomaly

12.6475, 13.9472, 19.1650

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.3447, 15.3989, 28.6545 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, 115, 144)` looks like.

```
.text, #text, p{  
    color:rgb(65, 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(65, 115, 144) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(65, 115, 144) }
```

Border

The CSS property to change the border of an element to XYZ 13.3447, 15.3989, 28.6545 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, 115, 144) }
```


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

```
.border{ border-color:rgb(65, 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(65, 115, 144)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(65, 115, 144); -webkit-box-  
shadow:4px 4px 4px 4px rgb(65, 115, 144);  
box-shadow:4px 4px 4px 4px rgb(65, 115,  
144) }
```

Background

The CSS property to change the background color of an element to XYZ 13.3447, 15.3989, 28.6545 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(65, 115, 144) }
```

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

```
.background{ background-color: rgb(65, 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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