

Converting Colors

XYZ(13.2814, 15.6115, 33.0688)

Have a look what the booklet for
XYZ(13.2814, 15.6115, 33.0688)
contains.

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Color

**XYZ(13.2327, 15.5911,
32.8838)**

Conversions

Conversions Part 1

Format	Color
Hex	2C759A
RGB	44, 117, 154
RGB Percent	17%, 46%, 60%
CMY	0.8274, 0.5412, 0.3961
CMYK	0.71, 0.24, 0.00, 0.40
HSL	200°, 56%, 39%
HSV	200°, 71%, 60%
XYZ	13.2327, 15.5911, 32.8838
YIQ	99.3910, -55.3850, -3.9690

Conversions

Conversions Part 2

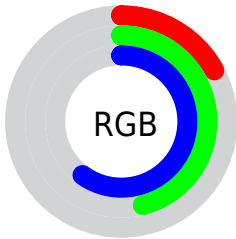
Format	Color
RYB	44, 88, 154
Decimal	2913690
CIELab	46.43, -9.97, -26.54
CIElCh	46, 28.351, 249.419
Yxy	15.5911, 0.2144, 0.2527
Android (android.graphics.Color)	4281103770 (0xFF2C759A)
YUV	99.3910, 26.9222, -48.5779
Hunter-Lab	39.4856, -9.2795, -21.7371

Details

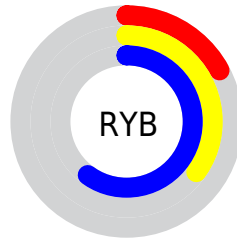
The XYZ color **13.2327, 15.5911, 32.8838** is a dark color, and the websafe version is hex **006699**. A complement of this color would be **16.7242, 12.9378, 3.9993**, and the grayscale version is **11.9032, 12.5230, 13.6376**.

A 20% lighter version of the original color is **31.4055, 35.9224, 65.6001**, and **4.5763, 5.2355, 13.6013** is the 20% darker color. If you saturate the color by 10%, you get **12.1029, 14.1376, 32.6631**, and if you desaturate by 10%, it is **14.6425, 17.2391, 33.1279**.

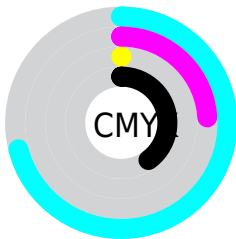
Distribution



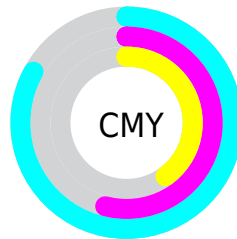
- Red (17%)
- Green (46%)
- Blue (60%)



- Red (17%)
- Yellow (35%)
- Blue (60%)



- Cyan (71%)
- Magenta (24%)
- Yellow (0%)
- Black (40%)



- Cyan (83%)
- Magenta (54%)
- Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.2327, 15.5911, 32.8838 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 13.2327, 15.5911, 32.8838 by changing the saturation by 10% instead.

■ 13.2327, 15.5911,
32.8838

■ 13.2327, 15.5911,
32.8838

■ 206.0113,
226.9166, 329.7417

■ 7.6671, 9.2353,
21.7671

■ 31.3190, 35.8869,
65.3080

■ 3.9327, 4.8950,
13.4892

■ 44.5704, 50.5956,
87.4525

■ 1.6641, 2.1858,
7.6316

■ 61.1144, 68.8574,
114.1100

■ 0.4336, 0.7122,
3.7757

■ 81.3163, 91.0567,
145.6991

■ 0.0000, 0.0000,
1.5031

■ 105.5417,
117.5779, 182.6383

■ 0.0000, 0.0000,
0.2203

■ 134.1557,

■ 0.0000, 0.0000,

148.8053, 225.3461

0.0000

167.5238,
185.1235, 274.2411

■ 13.2327, 15.5911,
32.8838

■ 13.2327, 15.5911,
32.8838

■ 12.1029, 14.1376,
32.6631

■ 14.6425, 17.2391,
33.1279

■ 11.2222, 12.8609,
32.4631

■ 16.3555, 19.0936,
33.3956

■ 10.6037, 11.8749,
32.3054

■ 18.3944, 21.1671,
33.6883

■ 20.7787, 23.4706,
34.0073

■ 23.5268, 26.0142,
34.3534

■ 26.6553, 28.8073,
34.7276

■ 30.1799, 31.8585,
35.1308

■ 34.1156, 35.1764,
35.5638

■ 38.4761, 38.7686,
36.0273

Harmonies

Analogous

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



11.4872, 15.5911, 26.9971



13.2327, 15.5911, 32.8838



15.5986, 15.5911, 33.9443

Triad

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



13.2327, 15.5911, 32.8838



19.9361, 15.5911, 14.8742



12.0394, 15.5911, 8.5794

Complementary

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



13.2327, 15.5911, 32.8838



16.7242, 12.9378, 3.9993

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.



14.0655, 15.5911, 6.8840



13.2327, 15.5911, 32.8838



18.7394, 15.5911, 9.8039

Square

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



13.2327, 15.5911, 32.8838



19.6501, 15.5911, 22.1412



16.5270, 15.5911, 7.2606



10.8525, 15.5911, 12.6840

Rectangle

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



13.2327, 15.5911, 32.8838



17.2405, 15.5911, 31.5450



16.5270, 15.5911, 7.2606



12.6354, 15.5911, 7.7679

Sweetspot

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



13.2332, 15.5916, 32.8842



42.7396, 47.2581, 62.4054



14.0676, 24.2362, 11.6567



9.3702, 10.4194, 14.0877



74.8435, 78.7412, 85.7492



12.6291, 13.2868, 14.4694

Same Dimension

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



13.2332, 15.5916, 32.8842



20.9287, 24.1852, 59.1014



8.6129, 6.3510, 31.3441



6.2095, 6.6763, 7.8904



8.6729, 9.7424, 26.3311



0.1629, 0.2121, 0.4047

Inverse Universe

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



17.4385, 9.9563, 17.8327



29.5998, 15.3086, 27.4505



22.5388, 24.5670, 5.9375



6.3728, 6.2883, 7.3435



12.8364, 6.3888, 10.9296



0.2087, 0.1022, 0.2517

Previews

White Background



This preview shows how the XYZ color 13.2327, 15.5911, 32.8838 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 13.2327, 15.5911, 32.8838 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

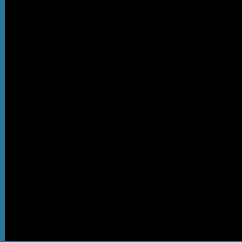
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 13.2327, 15.5911, 32.8838

Background



This preview shows how black text looks on a background with the XYZ color 13.2327, 15.5911, 32.8838.



This preview shows how white text looks on a background with the XYZ color 13.2327, 15.5911,

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

13.2327, 15.5911, 32.8838

Protanopia

15.6660, 15.4284, 29.7560

Deuteranopia

15.7769, 15.4007, 33.5936



Tritanopia

11.3601, 15.5330, 23.8722

Trichromacy



Original Color

13.2327, 15.5911, 32.8838

Protanomaly

14.3313, 15.1906, 31.0309

Deuteranomaly

14.5025, 15.2313, 33.1859

Tritanomaly

12.0039, 15.6204, 26.8085

Monochromacy



Original Color

13.2327, 15.5911, 32.8838

Achromatopsia

11.8596, 12.4772, 13.5877

Achromatomaly

11.7083, 13.3022, 19.4033

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.2327, 15.5911, 32.8838 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(44, 117, 154)` looks like.

```
.text, #text, p{  
    color:rgb(44, 117, 154)  
}
```

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(44, 117, 154) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(44, 117, 154) }
```

Border

The CSS property to change the border of an element to XYZ 13.2327, 15.5911, 32.8838 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(44, 117, 154) }
```


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

```
.border{ border-color:rgb(44, 117, 154) }
```

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

Here you see how a box with a 4 pixel `rgb(44, 117, 154)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(44, 117, 154); -webkit-box-  
shadow:4px 4px 4px 4px rgb(44, 117, 154);  
box-shadow:4px 4px 4px 4px rgb(44, 117,  
154) }
```

Background

The CSS property to change the background color of an element to XYZ 13.2327, 15.5911, 32.8838 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(44, 117, 154) }
```

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

```
.background{ background-color: rgb(44, 117,  
154) }
```

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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