

Converting Colors

XYZ(13.7768, 15.3082, 32.8030)

Have a look what the booklet for
XYZ(13.7768, 15.3082, 32.8030)
contains.

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Color

**XYZ(13.8367, 15.3919,
32.8135)**

Conversions

Conversions Part 1

Format	Color
Hex	3E729A
RGB	62, 114, 154
RGB Percent	24%, 45%, 60%
CMY	0.7568, 0.5529, 0.3961
CMYK	0.60, 0.26, 0.00, 0.40
HSL	206°, 43%, 42%
HSV	206°, 60%, 60%
XYZ	13.8367, 15.3919, 32.8135
YIQ	103.0120, -43.8320, 1.4160

Conversions

Conversions Part 2

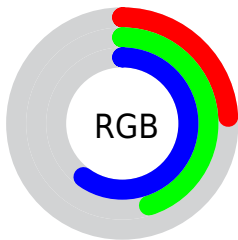
Format	Color
RYB	62, 95, 154
Decimal	4092570
CIELab	46.17, -4.93, -26.91
CIELCh	46, 27.354, 259.615
Yxy	15.3919, 0.2230, 0.2481
Android (android.graphics.Color)	4282282650 (0xFF3E729A)
YUV	103.0120, 25.1371, -35.9675
Hunter-Lab	39.2325, -5.7027, -22.1265

Details

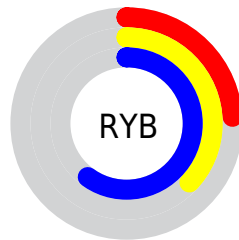
The XYZ color **13.8367, 15.3919, 32.8135** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **18.9480, 16.7215, 6.7871**, and the grayscale version is **12.8398, 13.5085, 14.7108**.

A 20% lighter version of the original color is **32.4810, 35.6578, 65.4923**, and **4.3964, 4.8757, 13.5414** is the 20% darker color. If you saturate the color by 10%, you get **12.2766, 13.5074, 32.5323**, and if you desaturate by 10%, it is **15.7268, 17.5292, 33.1267**.

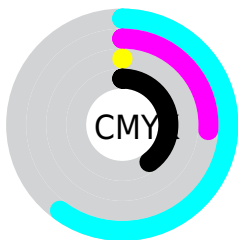
Distribution



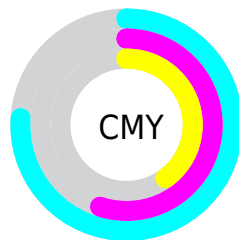
- Red (24%)
- Green (45%)
- Blue (60%)



- Red (24%)
- Yellow (37%)
- Blue (60%)



- Cyan (60%)
- Magenta (26%)
- Yellow (0%)
- Black (40%)



- Cyan (76%)
- Magenta (55%)
- Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.8367, 15.3919, 32.8135 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 13.8367, 15.3919, 32.8135 by changing the saturation by 10% instead.

■ 13.8367, 15.3919,
32.8135

■ 13.8367, 15.3919,
32.8135

209.7436,
225.7262, 329.4147

■ 8.0881, 9.0949,
21.7137

■ 32.3877, 35.5392,
65.1969

■ 4.2037, 4.8031,
13.4504

■ 45.9208, 50.1584,
87.3175

■ 1.8180, 2.1322,
7.6050

■ 62.7795, 68.3203,
113.9489

■ 0.5285, 0.6827,
3.7591

■ 83.3290, 90.4095,
145.5094

■ 0.0000, 0.0000,
1.4942

■ 107.9349,
116.8102, 182.4178

■ 0.0000, 0.0000,
0.2136

136.9624,

■ 0.0000, 0.0000,

147.9070, 225.0924

0.0000

170.7768,
184.0842, 273.9519

■ 13.8367, 15.3919,
32.8135

■ 13.8367, 15.3919,
32.8135

■ 12.2766, 13.5074,
32.5323

■ 15.7268, 17.5292,
33.1267

■ 11.0200, 11.8595,
32.2804

■ 17.9676, 19.9307,
33.4722

■ 10.0383, 10.4317,
32.0566

■ 20.5796, 22.6090,
33.8515

■ 9.2638, 9.1876,
31.8573

■ 23.5813, 25.5753,
34.2658

■ 9.2444, 9.1564,
31.8523

■ 26.9898, 28.8399,
34.7163

■ 30.8213, 32.4126,
35.2039

■ 35.0910, 36.3027,
35.7298

■ 39.8131, 40.5192,
36.2947

■ 45.0015, 45.0703,
36.8997

Harmonies

Analogous

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



11.9144, 15.3919, 28.5559



13.8367, 15.3919, 32.8135



16.1857, 15.3919, 31.9842

Triad

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



13.8367, 15.3919, 32.8135



19.2687, 15.3919, 12.8102



11.4753, 15.3919, 9.7445

Complementary

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



13.8367, 15.3919, 32.8135



18.9480, 16.7215, 6.7871

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.



13.1765, 15.3919, 7.3453



13.8367, 15.3919, 32.8135



17.7286, 15.3919, 8.7623

Square

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



13.8367, 15.3919, 32.8135



19.4937, 15.3919, 19.1801



15.4521, 15.3919, 7.0413



10.6503, 15.3919, 14.5510

Rectangle

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



13.8367, 15.3919, 32.8135



17.6763, 15.3919, 28.7142



15.4521, 15.3919, 7.0413



11.9547, 15.3919, 8.6906

Sweetspot

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



13.8372, 15.3924, 32.8139



43.6444, 47.2427, 62.3547



15.9345, 25.0925, 16.5401



9.5178, 10.3422, 14.0650



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.



13.8372, 15.3924, 32.8139



21.3933, 23.3787, 58.9213



9.8952, 7.5084, 31.4999



6.1596, 6.5765, 7.8737



7.5676, 7.5319, 25.9626



0.1493, 0.1849, 0.4002

Inverse Universe

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



18.0868, 11.5308, 17.1925



30.2579, 17.1940, 25.9156



24.7653, 28.3563, 8.7262



6.3477, 6.2782, 7.2109



12.2785, 6.1657, 7.9918



0.2018, 0.0995, 0.2155

Previews

White Background



This preview shows how the XYZ color 13.8367, 15.3919, 32.8135 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 13.8367, 15.3919, 32.8135 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

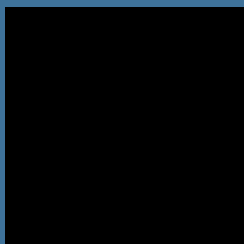
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

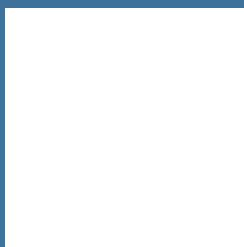
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 13.8367, 15.3919, 32.8135

Background



This preview shows how black text looks on a background with the XYZ color 13.8367, 15.3919, 32.8135.

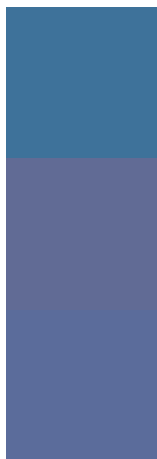


This preview shows how white text looks on a background with the XYZ color 13.8367, 15.3919,

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

13.8367, 15.3919, 32.8135

Protanopia

15.6123, 15.2267, 30.5500

Deuteranopia

15.5933, 15.3158, 33.1447



Tritanopia

11.8583, 15.4560, 22.7804

Trichromacy



Original Color

13.8367, 15.3919, 32.8135

Protanomaly

14.8180, 15.2710, 31.4448

Deuteranomaly

14.8006, 15.2239, 33.1688

Tritanomaly

12.4522, 15.3409, 25.9717

Monochromacy



Original Color

13.8367, 15.3919, 32.8135

Achromatopsia

12.8919, 13.5633, 14.7705

Achromatomaly

12.7950, 13.9952, 20.4393

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.8367, 15.3919, 32.8135 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(62, 114, 154)` looks like.

```
.text, #text, p{  
    color:rgb(62, 114, 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(62, 114, 154) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(62, 114, 154) }
```

Border

The CSS property to change the border of an element to XYZ 13.8367, 15.3919, 32.8135 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(62, 114, 154) }
```


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

```
.border{ border-color:rgb(62, 114, 154) }
```

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

Here you see how a box with a 4 pixel `rgb(62, 114, 154)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(62, 114, 154); -webkit-box-  
shadow:4px 4px 4px 4px rgb(62, 114, 154);  
box-shadow:4px 4px 4px 4px rgb(62, 114,  
154) }
```

Background

The CSS property to change the background color of an element to XYZ 13.8367, 15.3919, 32.8135 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(62, 114, 154) }
```

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

```
.background{ background-color: rgb(62, 114,  
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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