

Converting Colors

XYZ(13.0446, 15.1930, 29.4885)

Have a look what the booklet for
XYZ(13.0446, 15.1930, 29.4885)
contains.

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Color

**XYZ(13.0640, 15.2363,
29.4465)**

Conversions

Conversions Part 1

Format	Color
Hex	3A7392
RGB	58, 115, 146
RGB Percent	23%, 45%, 57%
CMY	0.7725, 0.5490, 0.4274
CMYK	0.60, 0.21, 0.00, 0.43
HSL	201°, 43%, 40%
HSV	201°, 60%, 57%
XYZ	13.0640, 15.2363, 29.4465
YIQ	101.4910, -43.9230, -2.4430

Conversions

Conversions Part 2

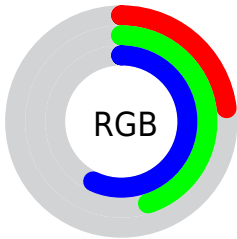
Format	Color
R_{YB}	58, 93, 146
Decimal	3830674
CIE _{Lab}	45.96, -9.02, -22.52
CIE _{LCh}	46, 24.253, 248.179
Yxy	15.2363, 0.2262, 0.2638
Android (android.graphics.Color)	4282020754 (0xFF3A7392)
YUV	101.4910, 21.9429, -38.1416
Hunter-Lab	39.0337, -8.5677, -17.4040

Details

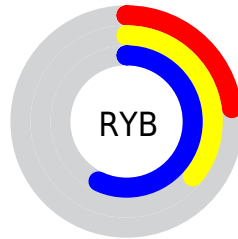
The XYZ color **13.0640, 15.2363, 29.4465** is a dark color, and the websafe version is hex **006699**. A complement of this color would be **16.1908, 13.5622, 5.7681**, and the grayscale version is **12.4503, 13.0987, 14.2645**.

A 20% lighter version of the original color is **31.0541, 35.3183, 59.8240**, and **4.0727, 4.8405, 11.5461** is the 20% darker color. If you saturate the color by 10%, you get **11.7623, 13.7190, 29.2225**, and if you desaturate by 10%, it is **14.6401, 16.9443, 29.6934**.

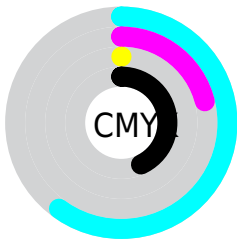
Distribution



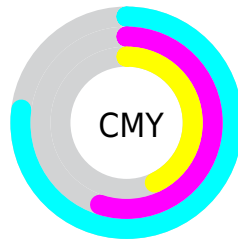
- Red (23%)
- Green (45%)
- Blue (57%)



- Red (23%)
- Yellow (36%)
- Blue (57%)



- Cyan (60%)
- Magenta (21%)
- Yellow (0%)
- Black (43%)



- Cyan (77%)
- Magenta (55%)
- Yellow (43%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.0640, 15.2363, 29.4465 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 13.0640, 15.2363, 29.4465 by changing the saturation by 10% instead.

■ 13.0640, 15.2363,
29.4465

■ 13.0640, 15.2363,
29.4465

204.9567,
224.7921, 313.4425

■ 7.5499, 8.9854,
19.1704

■ 31.0191, 35.2672,
59.8364

■ 3.8577, 4.7317,
11.6154

■ 44.1907, 49.8160,
80.7872

■ 1.6220, 2.0907,
6.3630

■ 60.6457, 67.8995,
106.1333

■ 0.4067, 0.6594,
2.9947

■ 80.7493, 89.9021,
136.2933

■ 0.0000, 0.0000,
1.0919

■ 104.8668,
116.2083, 171.6856

■ 0.0000, 0.0000,
0.0000

133.3636,

147.2025, 212.7289

166.6052,
183.2689, 259.8417

■ 13.0640, 15.2363,
29.4465

■ 13.0640, 15.2363,
29.4465

■ 11.7623, 13.7190,
29.2225

■ 14.6401, 16.9443,
29.6934

■ 10.7121, 12.3789,
29.0192

■ 16.5082, 18.8518,
29.9631

■ 9.8888, 11.2027,
28.8356

■ 18.6860, 20.9691,
30.2570

■ 9.2417, 10.1820,
28.6727

■ 21.1893, 23.3051,
30.5760

■ 24.0328, 25.8679,
30.9208

■ 27.2301, 28.6655,
31.2922

■ 30.7942, 31.7051,
31.6911

■ 34.7375, 34.9937,
32.1180

■ 39.0715, 38.5381,
32.5737

Harmonies

Analogous

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



11.5962, 15.2363, 24.6006



13.0640, 15.2363, 29.4465



15.0503, 15.2363, 30.4767

Triad

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



13.0640, 15.2363, 29.4465



18.7487, 15.2363, 15.0335



12.1771, 15.2363, 9.1981

Complementary

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



13.0640, 15.2363, 29.4465



16.1908, 13.5622, 5.7681

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.



13.9275, 15.2363, 7.7301



13.0640, 15.2363, 29.4465



17.8099, 15.2363, 10.5394

Square

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



13.0640, 15.2363, 29.4465



18.4621, 15.2363, 21.1544



15.9983, 15.2363, 8.1552



11.1189, 15.2363, 12.7340

Rectangle

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



13.0640, 15.2363, 29.4465



16.4259, 15.2363, 28.6768



15.9983, 15.2363, 8.1552



12.6972, 15.2363, 8.4896

Sweetspot

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



13.0645, 15.2369, 29.4469



38.2890, 41.9428, 54.0513



13.8192, 22.1757, 12.9601



8.2402, 9.0767, 11.9899



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.



13.0645, 15.2369, 29.4469



20.1133, 23.4153, 51.4331



9.1999, 7.5076, 28.1587



5.7939, 6.2218, 7.3653



8.1540, 9.0028, 25.2390



0.1276, 0.1658, 0.3182

Inverse Universe

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



16.4621, 10.3756, 17.3551



26.9732, 15.2300, 26.6539



20.9784, 23.1374, 7.3640



5.9494, 5.8748, 6.8398



12.2428, 6.1022, 10.0257



0.1639, 0.0803, 0.1966

Previews

White Background



This preview shows how the XYZ color 13.0640, 15.2363, 29.4465 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 13.0640, 15.2363, 29.4465 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

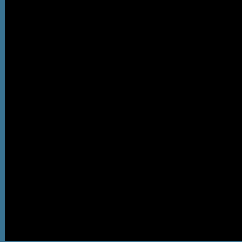
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 13.0640, 15.2363, 29.4465

Background



This preview shows how black text looks on a background with the XYZ color 13.0640, 15.2363, 29.4465.



This preview shows how white text looks on a background with the XYZ color 13.0640, 15.2363,

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

13.0640, 15.2363, 29.4465

Protanopia

15.2468, 15.1182, 26.9254

Deuteranopia

15.4269, 15.1403, 30.1263



Tritanopia

11.6901, 15.1935, 22.7386

Trichromacy



Original Color

13.0640, 15.2363, 29.4465

Protanomaly

14.2047, 15.0361, 27.7448

Deuteranomaly

14.3221, 15.0523, 29.7543

Tritanomaly

12.2027, 15.2287, 25.2180

Monochromacy



Original Color

13.0640, 15.2363, 29.4465

Achromatopsia

12.3695, 13.0136, 14.1719

Achromatomaly

12.1112, 13.5237, 18.8016

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.0640, 15.2363, 29.4465 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(58, 115, 146)` looks like.

```
.text, #text, p{  
    color:rgb(58, 115, 146)  
}
```

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(58, 115, 146) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(58, 115, 146) }
```

Border

The CSS property to change the border of an element to XYZ 13.0640, 15.2363, 29.4465 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(58, 115, 146) }
```


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

```
.border{ border-color:rgb(58, 115, 146) }
```

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

Here you see how a box with a 4 pixel `rgb(58, 115, 146)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(58, 115, 146); -webkit-box-  
shadow:4px 4px 4px 4px rgb(58, 115, 146);  
box-shadow:4px 4px 4px 4px rgb(58, 115,  
146) }
```

Background

The CSS property to change the background color of an element to XYZ 13.0640, 15.2363, 29.4465 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(58, 115, 146) }
```

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

```
.background{ background-color: rgb(58, 115,  
146) }
```

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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