

Converting Colors

XYZ(13.0985, 14.9433, 18.7291)

Have a look what the booklet for
XYZ(13.0985, 14.9433, 18.7291)
contains.

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Color

**XYZ(13.1630, 15.0230,
18.7290)**

Conversions

Conversions Part 1

Format	Color
Hex	5A7074
RGB	90, 112, 116
RGB Percent	35%, 44%, 45%
CMY	0.6471, 0.5608, 0.5451
CMYK	0.22, 0.03, 0.00, 0.55
HSL	189°, 13%, 40%
HSV	189°, 22%, 45%
XYZ	13.1630, 15.0230, 18.7290
YIQ	105.8780, -14.3960, -3.4200

Conversions

Conversions Part 2

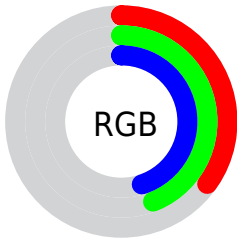
Format	Color
R_{YB}	90, 102, 116
Decimal	5927028
CIE _{Lab}	45.67, -7.11, -4.91
CIE _{LCh}	46, 8.642, 214.607
Yxy	15.0230, 0.2806, 0.3202
Android (android.graphics.Color)	4284117108 (0xFF5A7074)
YUV	105.8780, 4.9901, -13.9250
Hunter-Lab	38.7595, -7.2093, -1.5179

Details

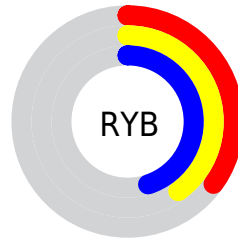
The XYZ color **13.1630, 15.0230, 18.7290** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **13.0507, 12.4565, 11.3896**, and the grayscale version is **13.6562, 14.3673, 15.6460**.

A 20% lighter version of the original color is **31.3278, 35.0408, 42.1582**, and **3.8730, 4.5977, 6.1522** is the 20% darker color. If you saturate the color by 10%, you get **11.9268, 14.0968, 18.6156**, and if you desaturate by 10%, it is **14.5801, 16.0490, 18.8526**.

Distribution



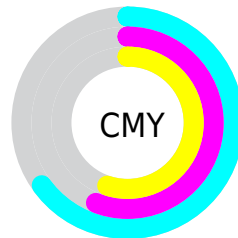
- Red (35%)
- Green (44%)
- Blue (45%)



- Red (35%)
- Yellow (40%)
- Blue (45%)



- Cyan (22%)
- Magenta (3%)
- Yellow (0%)
- Black (55%)



- Cyan (65%)
- Magenta (56%)
- Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.1630, 15.0230, 18.7290 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 13.1630, 15.0230, 18.7290 by changing the saturation by 10% instead.

■ 13.1630, 15.0230,
18.7290

■ 13.1630, 15.0230,
18.7290

■ 205.5762,
223.5054, 257.3213

■ 7.6187, 8.8355,
11.2998

■ 31.1951, 34.8935,
42.1062

■ 3.9017, 4.6341,
6.1522

■ 44.4136, 49.3454,
58.8914

■ 1.6467, 2.0342,
2.8675

■ 60.9209, 67.3208,
79.6322

■ 0.4225, 0.6272,
1.0274

■ 81.0823, 89.2042,
104.7473

■ 0.0000, 0.0000,
0.0000

■ 105.2632,
115.3799, 134.6553

133.8289,

146.2325, 169.7745

167.1448,
182.1462, 210.5237

■ 13.1630, 15.0230,
18.7290

■ 13.1630, 15.0230,
18.7290

■ 11.9268, 14.0968,
18.6156

■ 14.5801, 16.0490,
18.8526

■ 10.8621, 13.2643,
18.5111

■ 16.1844, 17.1770,
18.9858

■ 9.9604, 12.5217,
18.4152

■ 17.9835, 18.4113,
19.1292

■ 9.2121, 11.8638,
18.3277

■ 19.9843, 19.7554,
19.2832

■ 8.6067, 11.2852,
18.2479

■ 22.1933, 21.2128,
19.4480

■ 8.1320, 10.7796,
18.1753

■ 24.6166, 22.7866,
19.6241

■ 7.7735, 10.3395,
18.1093

■ 27.2601, 24.4799,
19.8116

■ 7.5353, 10.0268,
18.0615

■ 30.1296, 26.2957,
20.0109

■ 33.2305, 28.2368,
20.2221

Harmonies

Analogous

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



12.9352, 15.0230, 16.6799



13.1630, 15.0230, 18.7290



13.6900, 15.0230, 20.2319

Triad

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



13.1630, 15.0230, 18.7290



15.5744, 15.0230, 18.1283



14.1673, 15.0230, 12.6951

Complementary

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



13.1630, 15.0230, 18.7290



13.0507, 12.4565, 11.3896

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.



14.8845, 15.0230, 13.0123



13.1630, 15.0230, 18.7290



15.7126, 15.0230, 16.0392

Square

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



13.1630, 15.0230, 18.7290



15.0846, 15.0230, 19.8650



15.4562, 15.0230, 14.1951



13.5024, 15.0230, 13.2893

Rectangle

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



13.1630, 15.0230, 18.7290



14.1484, 15.0230, 20.6585



15.4562, 15.0230, 14.1951



14.4102, 15.0230, 12.6992

Sweetspot

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



13.1634, 15.0236, 18.7293



27.0635, 29.2262, 33.2593



12.4780, 15.4711, 12.8949



6.4294, 6.9534, 7.9322



57.3938, 60.3827, 65.7568



6.9614, 7.3239, 7.9757

Same Dimension

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



13.1634, 15.0236, 18.7293



21.9545, 25.5287, 32.8149



11.8404, 12.3775, 18.2883



3.7377, 4.0640, 4.6777



8.4456, 11.2309, 20.2652



40.6510, 53.7187, 98.5865

Inverse Universe

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



13.7836, 12.1955, 16.9575



23.2677, 19.6615, 29.0358



14.2955, 14.9460, 11.8045



3.8036, 3.7487, 4.4926



10.5601, 5.1577, 13.4234



51.2055, 25.0323, 64.0708

Previews

White Background



This preview shows how the XYZ color 13.1630, 15.0230, 18.7290 looks on a white background.

Color Contrast Check

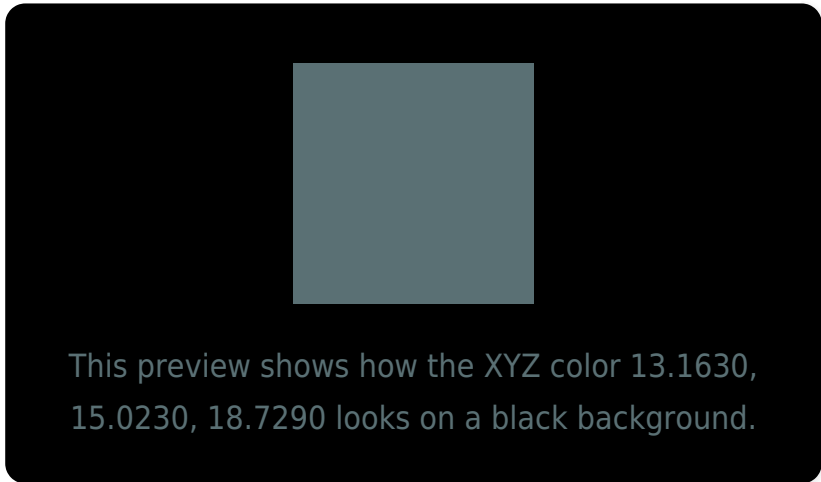
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



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

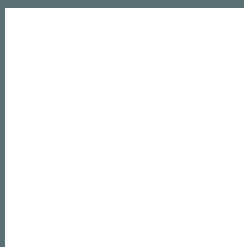
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 13.1630, 15.0230, 18.7290

Background



This preview shows how black text looks on a background with the XYZ color 13.1630, 15.0230, 18.7290.



This preview shows how white text looks on a background with the XYZ color 13.1630, 15.0230,

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

13.1630, 15.0230, 18.7290

Protanopia

14.4227, 14.8958, 17.7378

Deuteranopia

15.2019, 14.9649, 18.9169



Tritanopia

13.3890, 14.9491, 19.9491

Trichromacy



Original Color

13.1630, 15.0230, 18.7290

Protanomaly

13.8727, 14.9189, 18.0680

Deuteranomaly

14.3991, 15.0127, 18.9685

Tritanomaly

13.3286, 14.9249, 19.6311

Monochromacy



Original Color

13.1630, 15.0230, 18.7290

Achromatopsia

13.6994, 14.4128, 15.6956

Achromatomaly

13.4326, 14.5602, 16.8543

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.1630, 15.0230, 18.7290 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(90, 112, 116) looks like.

```
.text, #text, p{  
    color:rgb(90, 112, 116)  
}
```

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(90, 112, 116) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(90, 112, 116) }
```

Border

The CSS property to change the border of an element to XYZ 13.1630, 15.0230, 18.7290 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(90, 112, 116) }
```


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

```
.border{ border-color:rgb(90, 112, 116) }
```

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

Here you see how a box with a 4 pixel rgb(90, 112, 116) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(90, 112, 116); -webkit-box-  
shadow:4px 4px 4px 4px rgb(90, 112, 116);  
box-shadow:4px 4px 4px 4px rgb(90, 112,  
116) }
```

Background

The CSS property to change the background color of an element to XYZ 13.1630, 15.0230, 18.7290 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(90, 112, 116) }
```

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

```
.background{ background-color: rgb(90, 112,  
116) }
```

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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