

Converting Colors

XYZ(5.5897, 4.8753, 15.1146)

Have a look what the booklet for
XYZ(5.5897, 4.8753, 15.1146)
contains.

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Color

**XYZ(5.5909, 4.8850,
15.1162)**

Conversions

Conversions Part 1

Format	Color
Hex	313B6D
RGB	49, 59, 109
RGB Percent	19%, 23%, 43%
CMY	0.8078, 0.7686, 0.5725
CMYK	0.55, 0.46, 0.00, 0.57
HSL	230°, 38%, 31%
HSV	230°, 55%, 43%
XYZ	5.5909, 4.8850, 15.1162
YIQ	61.7100, -22.0100, 13.4300

Conversions

Conversions Part 2

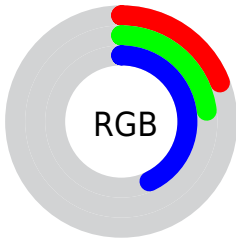
Format	Color
R_{YB}	49, 58, 109
Decimal	3226477
CIE Lab	26.40, 11.68, -30.45
CIE LCh	26, 32.610, 290.980
Yxy	4.8850, 0.2185, 0.1909
Android (android.graphics.Color)	4281416557 (0xFF313B6D)
YUV	61.7100, 23.3140, -11.1467
Hunter-Lab	22.1020, 6.4745, -25.0787

Details

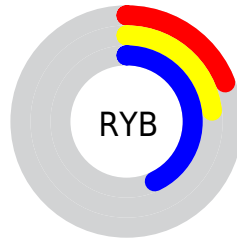
The XYZ color **5.5909, 4.8850, 15.1162** is a dark color, and the websafe version is hex **333366**. A complement of this color would be **11.3233, 12.3972, 4.7022**, and the grayscale version is **4.5070, 4.7417, 5.1637**.

A 20% lighter version of the original color is **16.8426, 15.5906, 35.8398**, and **1.0428, 0.7378, 4.5023** is the 20% darker color. If you saturate the color by 10%, you get **4.7005, 3.7923, 14.9523**, and if you desaturate by 10%, it is **6.6902, 6.2062, 15.3134**.

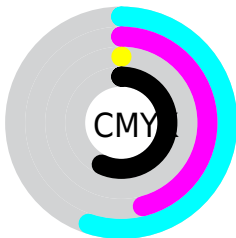
Distribution



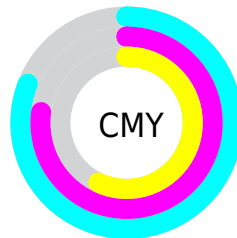
- Red (19%)
- Green (23%)
- Blue (43%)



- Red (19%)
- Yellow (23%)
- Blue (43%)



- Cyan (55%)
- Magenta (46%)
- Yellow (0%)
- Black (57%)



- Cyan (81%)
- Magenta (77%)
- Yellow (57%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 5.5909, 4.8850, 15.1162 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 5.5909, 4.8850, 15.1162 by changing the saturation by 10% instead.

■ 5.5909, 4.8850,
15.1162

■ 5.5909, 4.8850,
15.1162

150.1965,
148.7083, 235.7334

■ 2.6362, 2.1799,
8.7535

■ 16.8103, 15.5695,
35.8021

■ 0.9645, 0.7090,
4.4861

■ 25.8058, 24.3178,
50.9623

■ 0.0000, 0.0000,
1.8956

■ 37.5456, 35.8493,
69.8921

■ 0.0000, 0.0000,
0.4900

■ 52.3950, 50.5483,
93.0100

■ 0.0000, 0.0000,
0.0000

■ 70.7195, 68.7993,
120.7345

■ 92.8843, 90.9867,

153.4842

119.2549,
117.4949, 191.6777

■ 5.5909, 4.8850,
15.1162

■ 5.5909, 4.8850,
15.1162

■ 4.7005, 3.7923,
14.9523

■ 6.6902, 6.2062,
15.3134

■ 4.0049, 2.9143,
14.8195

■ 8.0101, 7.7676,
15.5452

■ 3.4890, 2.2366,
14.7159

■ 9.5622, 9.5805,
15.8133

■ 3.1278, 1.7386,
14.6388

■ 11.3570, 11.6556,
16.1193

■ 2.9793, 1.5420,
14.6087

■ 13.4044, 14.0028,
16.4644

■ 15.7137, 16.6314,
16.8501

■ 18.2939, 19.5506,
17.2775

■ 21.1534, 22.7687,
17.7480

■ 24.3002, 26.2941,
18.2626

Harmonies

Analogous

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



4.2642, 4.8850, 15.8995



5.5909, 4.8850, 15.1162



6.8538, 4.8850, 11.1760

Triad

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



5.5909, 4.8850, 15.1162



6.3900, 4.8850, 1.4842



2.5957, 4.8850, 4.2793

Complementary

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



5.5909, 4.8850, 15.1162



11.3233, 12.3972, 4.7022

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.



2.9675, 4.8850, 1.9785



5.5909, 4.8850, 15.1162



5.0437, 4.8850, 0.9311

Square

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



5.5909, 4.8850, 15.1162



7.3715, 4.8850, 3.1559



3.8089, 4.8850, 1.0569



2.6877, 4.8850, 8.2959

Rectangle

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



5.5909, 4.8850, 15.1162



7.4111, 4.8850, 7.9919



3.8089, 4.8850, 1.0569



2.6676, 4.8850, 3.3203

Sweetspot

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



5.5911, 4.8852, 15.1163



19.5150, 19.9247, 28.7245



8.9876, 12.4912, 13.7419



4.4342, 4.5130, 6.6662



54.2243, 57.0482, 62.1254



6.0569, 6.3724, 6.9395

Same Dimension

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



5.5911, 4.8852, 15.1163



8.0358, 6.3148, 26.7026



6.3132, 4.5663, 15.0167



2.9854, 3.0992, 3.8757



3.4708, 1.7759, 17.0821



17.2366, 8.1518, 86.8912

Inverse Universe

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



8.1946, 5.7639, 4.8184



13.3055, 8.3542, 5.8001



10.1431, 13.2830, 4.9354



3.1184, 3.1243, 3.3541



7.4988, 3.8516, 0.9890



37.9831, 19.5352, 3.8475

Previews

White Background



This preview shows how the XYZ color 5.5909, 4.8850, 15.1162 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 ✓ Pass

Black Background



This preview shows how the XYZ color 5.5909, 4.8850, 15.1162 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

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 5.5909, 4.8850, 15.1162

Background



This preview shows how black text looks on a background with the XYZ color 5.5909, 4.8850, 15.1162.



This preview shows how white text looks on a background with the XYZ color 5.5909, 4.8850,

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

5.5909, 4.8850, 15.1162

Protanopia

5.3747, 4.9165, 15.7046

Deuteranopia

4.9363, 4.8707, 14.8673



Tritanopia

3.9373, 4.8704, 7.0359

Trichromacy



Original Color

5.5909, 4.8850, 15.1162

Protanomaly

5.4266, 4.8711, 15.4061

Deuteranomaly

5.1225, 4.8853, 14.8603

Tritanomaly

4.4276, 4.8101, 9.4992

Monochromacy



Original Color

5.5909, 4.8850, 15.1162

Achromatopsia

4.5787, 4.8172, 5.2459

Achromatomaly

4.7674, 4.7719, 8.0669

CSS Examples

Text

The CSS property to change the color of the text to XYZ 5.5909, 4.8850, 15.1162 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(49, 59, 109)` looks like.

```
.text, #text, p{  
    color:rgb(49, 59, 109)  
}
```

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(49, 59, 109) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(49, 59, 109) }
```

Border

The CSS property to change the border of an element to XYZ 5.5909, 4.8850, 15.1162 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(49, 59, 109) }
```


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

```
.border{ border-color:rgb(49, 59, 109) }
```

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

Here you see how a box with a 4 pixel rgb(49, 59, 109) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(49, 59, 109); -webkit-box-  
shadow:4px 4px 4px 4px rgb(49, 59, 109);  
box-shadow:4px 4px 4px 4px rgb(49, 59,  
109) }
```

Background

The CSS property to change the background color of an element to XYZ 5.5909, 4.8850, 15.1162 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(49, 59, 109) }
```

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

```
.background{ background-color: rgb(49, 59,  
109) }
```

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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