

Converting Colors

XYZ(15.4463, 11.4274, 58.5183)

Have a look what the booklet for
XYZ(15.4463, 11.4274, 58.5183)
contains.

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Color

**XYZ(15.4346, 11.4041,
58.5145)**

Conversions

Conversions Part 1

Format	Color
Hex	3354CC
RGB	51, 84, 204
RGB Percent	20%, 33%, 80%
CMY	0.8000, 0.6706, 0.2000
CMYK	0.75, 0.59, 0.00, 0.20
HSL	227°, 60%, 50%
HSV	227°, 75%, 80%
XYZ	15.4346, 11.4041, 58.5145
YIQ	87.8130, -58.1880, 30.3240

Conversions

Conversions Part 2

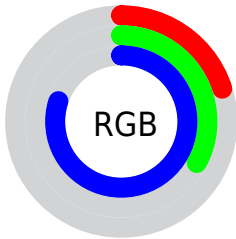
Format	Color
RYB	51, 78, 204
Decimal	3364044
CIELab	40.25, 30.32, -65.62
CIELCh	40, 72.281, 294.798
Yxy	11.4041, 0.1808, 0.1336
Android (android.graphics.Color)	4281554124 (0xFF3354CC)
YUV	87.8130, 57.2802, -32.2850
Hunter-Lab	33.7700, 22.4862, -79.0951

Details

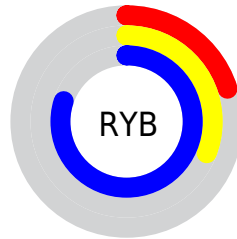
The XYZ color **15.4346, 11.4041, 58.5145** is a dark color, and the websafe version is hex **3366CC**. The color can be described as dark muted blue. A complement of this color would be **40.0646, 42.2062, 9.1681**, and the grayscale version is **9.1243, 9.5995, 10.4539**.

A 20% lighter version of the original color is **34.0453, 27.9170, 98.2019**, and **6.1836, 3.6875, 28.8196** is the 20% darker color. If you saturate the color by 10%, you get **13.5196, 8.7791, 58.1091**, and if you desaturate by 10%, it is **18.0851, 14.8294, 59.0362**.

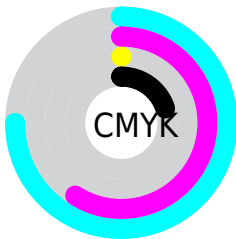
Distribution



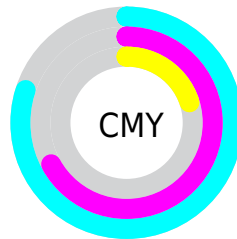
- Red (20%)
- Green (33%)
- Blue (80%)



- Red (20%)
- Yellow (31%)
- Blue (80%)



- Cyan (75%)
- Magenta (59%)
- Yellow (0%)
- Black (20%)



- Cyan (80%)
- Magenta (67%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.4346, 11.4041, 58.5145 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 15.4346, 11.4041, 58.5145 by changing the saturation by 10% instead.

■ 15.4346, 11.4041,
58.5145

■ 15.4346, 11.4041,
58.5145

219.3185,
200.4193, 436.7520

■ 9.2133, 6.3393,
41.8050

■ 35.1792, 28.4050,
104.1939

■ 4.9388, 3.0525,
28.6242

■ 49.4333, 41.1100,
134.0008

■ 2.2458, 1.1592,
18.5536

■ 67.0956, 57.1304,
169.0107

■ 0.7667, 0.0280,
11.1746

■ 88.5315, 76.8508,
209.6419

■ 0.0000, 0.0000,
6.0688

■ 114.1064,
100.6555, 256.3131

■ 0.0000, 0.0000,
2.8175

144.1856,

■ 0.0000, 0.0000,

128.9289, 309.4429

1.0022

179.1345,
162.0554, 369.4497

■ 0.0000, 0.0000,
0.0000

■ 15.4346, 11.4041,
58.5145

■ 15.4346, 11.4041,
58.5145

■ 13.5196, 8.7791,
58.1091

■ 18.0851, 14.8294,
59.0362

■ 12.2548, 6.8813,
57.8094

■ 21.5394, 19.1165,
59.6817

■ 11.7995, 6.1603,
57.6942

■ 25.8597, 24.3216,
60.4587

■ 31.1011, 30.4957,
61.3741

■ 37.3143, 37.6858,
62.4345

■ 44.5461, 45.9358,
63.6458

■ 52.8402, 55.2871,
65.0136

■ 62.2377, 65.7787,
66.5434

■ 72.7775, 77.4476,
68.2402

Harmonies

Analogous

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



9.9840, 11.4041, 65.6614



15.4346, 11.4041, 58.5145



20.8464, 11.4041, 36.2806

Triad

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



15.4346, 11.4041, 58.5145



17.4425, 11.4041, 0.7228



3.7678, 11.4041, 10.0664

Complementary

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



15.4346, 11.4041, 58.5145



40.0646, 42.2062, 9.1681

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.



4.6911, 11.4041, 2.3043



15.4346, 11.4041, 58.5145



11.7421, 11.4041, 0.0000

Square

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



15.4346, 11.4041, 58.5145



22.2353, 11.4041, 4.0335



7.2606, 11.4041, 0.2646



4.2060, 11.4041, 28.0803

Rectangle

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



15.4346, 11.4041, 58.5145



23.1429, 11.4041, 21.2120



7.2606, 11.4041, 0.2646



3.9177, 11.4041, 6.4674

Sweetspot

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



15.4352, 11.4044, 58.5148



64.8702, 65.9356, 103.9156



30.2954, 46.8247, 45.8958



13.2177, 13.3480, 22.1297



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



15.4352, 11.4044, 58.5148



20.9786, 12.4637, 95.9078



16.7362, 9.1268, 58.0066



10.7946, 11.2297, 14.1690



7.4831, 3.9902, 36.3321



0.4434, 0.3206, 1.8935

Inverse Universe

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



27.6865, 15.8460, 9.9869



42.8680, 22.4847, 8.7352



36.8189, 50.9662, 11.0300



11.3097, 11.2526, 12.1654



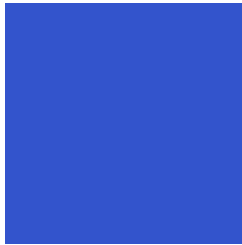
15.9880, 8.2058, 2.3897



0.8538, 0.4349, 0.2758

Previews

White Background



This preview shows how the XYZ color 15.4346, 11.4041, 58.5145 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 15.4346, 11.4041, 58.5145 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

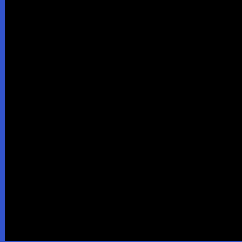
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 15.4346, 11.4041, 58.5145

Background



This preview shows how black text looks on a background with the XYZ color 15.4346, 11.4041, 58.5145.



This preview shows how white text looks on a background with the XYZ color 15.4346, 11.4041,

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

15.4346, 11.4041, 58.5145

Protanopia

13.3667, 11.3324, 51.9350

Deuteranopia

11.1576, 11.3026, 37.6699



Tritanopia

7.9762, 11.2730, 17.0848

Trichromacy



Original Color

15.4346, 11.4041, 58.5145

Protanomaly

13.8363, 11.1491, 54.2461

Deuteranomaly

12.3339, 11.0880, 44.6702

Tritanomaly

9.6541, 10.7322, 28.3508

Monochromacy



Original Color

15.4346, 11.4041, 58.5145

Achromatopsia

9.2757, 9.7587, 10.6273

Achromatomaly

10.3391, 9.9240, 22.4897

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.4346, 11.4041, 58.5145 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(51, 84, 204)` looks like.

```
.text, #text, p{  
    color:rgb(51, 84, 204)  
}
```

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(51, 84, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 84, 204) }
```

Border

The CSS property to change the border of an element to XYZ 15.4346, 11.4041, 58.5145 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(51, 84, 204) }
```


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

```
.border{ border-color:rgb(51, 84, 204) }
```

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

Here you see how a box with a 4 pixel rgb(51, 84, 204) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 84, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(51, 84, 204);  
box-shadow:4px 4px 4px 4px rgb(51, 84,  
204) }
```

Background

The CSS property to change the background color of an element to XYZ 15.4346, 11.4041, 58.5145 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(51, 84, 204) }
```

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

```
.background{ background-color: rgb(51, 84,  
204) }
```

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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