

Converting Colors

XYZ(18.3878, 14.5011, 68.1595)

Have a look what the booklet for
XYZ(18.3878, 14.5011, 68.1595)
contains.

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Color

**XYZ(18.3878, 14.5011,
68.1595)**

Conversions

Conversions Part 1

Format	Color
Hex	3362DA
RGB	51, 98, 218
RGB Percent	20%, 38%, 85%
CMY	0.7999, 0.6157, 0.1451
CMYK	0.77, 0.55, 0.00, 0.15
HSL	223°, 69%, 53%
HSV	223°, 77%, 85%
XYZ	18.3878, 14.5011, 68.1595
YIQ	97.6270, -66.5320, 27.3560

Conversions

Conversions Part 2

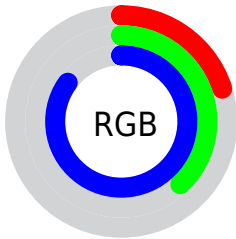
Format	Color
R_{YB}	51, 88, 218
Decimal	3367642
CIE _{Lab}	44.94, 26.49, -66.01
CIE _{LCh}	45, 71.131, 291.867
Yxy	14.5011, 0.1820, 0.1435
Android (android.graphics.Color)	4281557722 (0xFF3362DA)
YUV	97.6270, 59.3439, -40.8919
Hunter-Lab	38.0803, 19.5516, -79.4663

Details

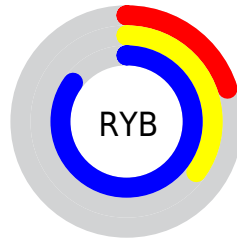
The XYZ color **18.3878, 14.5011, 68.1595** is a dark color, and the websafe version is hex **3366CC**. The color can be described as dark muted azure. A complement of this color would be **44.0770, 44.2757, 9.3564**, and the grayscale version is **11.3877, 11.9807, 13.0470**.

A 20% lighter version of the original color is **36.5251, 32.4648, 98.9490**, and **7.7947, 5.1548, 34.7666** is the 20% darker color. If you saturate the color by 10%, you get **16.2102, 11.4114, 67.6783**, and if you desaturate by 10%, it is **21.3682, 18.4305, 68.7613**.

Distribution



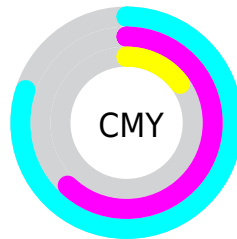
- Red (20%)
- Green (38%)
- Blue (85%)



- Red (20%)
- Yellow (35%)
- Blue (85%)



- Cyan (77%)
- Magenta (55%)
- Yellow (0%)
- Black (15%)



- Cyan (80%)
- Magenta (62%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.3878, 14.5011, 68.1595 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 18.3878, 14.5011, 68.1595 by changing the saturation by 10% instead.

■ 18.3878, 14.5011,
68.1595

■ 18.3878, 14.5011,
68.1595

236.0514,
220.3263, 472.6743

■ 11.3301, 8.4700,
49.5600

■ 40.2219, 33.9756,
118.2367

■ 6.3583, 4.3971,
34.6952

■ 55.7291, 48.1877,
150.5514

■ 3.1069, 1.8981,
23.1465

■ 74.7836, 65.8956,
188.2750

■ 1.2105, 0.5472,
14.4954

■ 97.7506, 87.4838,
231.8260

■ 0.1146, 0.0000,
8.3234

■ 124.9955,
113.3365, 281.6228

■ 0.0000, 0.0000,
4.2118

156.8837,

■ 0.0000, 0.0000,

143.8383, 338.0841

1.7423

193.7806,
179.3734, 401.6285

■ 0.0000, 0.0000,
0.3894

■ 0.0000, 0.0000,
0.0000

■ 18.3878, 14.5011,
68.1595

■ 18.3878, 14.5011,
68.1595

■ 16.2102, 11.4114,
67.6783

■ 21.3682, 18.4305,
68.7613

■ 14.7352, 9.0848,
67.3069

■ 25.2282, 23.2623,
69.4904

■ 14.3419, 8.4360,
67.2024

■ 30.0376, 29.0535,
70.3548

■ 35.8577, 35.8559,
71.3610

■ 42.7449, 43.7171,
72.5154

■ 50.7510, 52.6818,
73.8238

■ 59.9245, 62.7918,
75.2917

■ 70.3107, 74.0867,
76.9244

■ 81.9528, 86.6043,
78.7270

Harmonies

Analogous

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



12.2588, 14.5011, 73.5578



18.3878, 14.5011, 68.1595



24.5989, 14.5011, 45.0197

Triad

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



18.3878, 14.5011, 68.1595



21.9170, 14.5011, 1.6134



5.4046, 14.5011, 11.6735

Complementary

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



18.3878, 14.5011, 68.1595



44.0770, 44.2757, 9.3564

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.



6.7185, 14.5011, 3.1124



18.3878, 14.5011, 68.1595



15.4283, 14.5011, 0.4945

Square

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



18.3878, 14.5011, 68.1595



27.0038, 14.5011, 6.6043



10.0191, 14.5011, 0.8023



5.7844, 14.5011, 30.9968

Rectangle

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



18.3878, 14.5011, 68.1595



27.3964, 14.5011, 28.0191



10.0191, 14.5011, 0.8023



5.6457, 14.5011, 7.7645

Sweetspot

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



18.3885, 14.5015, 68.1599



64.6634, 66.5173, 104.0387



33.7584, 53.7756, 46.9725



12.9933, 13.2827, 22.1290



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.



18.3885, 14.5015, 68.1599



21.7074, 14.0944, 96.1841



17.7880, 9.4664, 67.2197



12.6355, 13.2108, 16.5361



8.6712, 5.2118, 40.2874



0.6340, 0.4822, 2.6341

Inverse Universe

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



32.3026, 18.1562, 13.3572



43.1936, 22.4531, 10.9486



44.9183, 60.3054, 12.4062



13.2059, 13.1115, 14.3455



17.8722, 9.1499, 3.7068



1.1943, 0.6074, 0.4322

Previews

White Background



This preview shows how the XYZ color 18.3878, 14.5011, 68.1595 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 18.3878, 14.5011, 68.1595 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

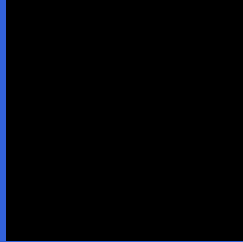
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 18.3878, 14.5011, 68.1595

Background



This preview shows how black text looks on a background with the XYZ color 18.3878, 14.5011, 68.1595.



This preview shows how white text looks on a background with the XYZ color 18.3878, 14.5011,

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

18.3878, 14.5011, 68.1595

Protanopia

17.1460, 14.4606, 66.8532

Deuteranopia

14.3322, 14.3130, 49.0210



Tritanopia

10.0630, 14.2032, 21.6132

Trichromacy



Original Color

18.3878, 14.5011, 68.1595

Protanomaly

17.4466, 14.4556, 67.5163

Deuteranomaly

15.4119, 14.1163, 55.3385

Tritanomaly

12.1025, 13.7935, 34.8254

Monochromacy



Original Color

18.3878, 14.5011, 68.1595

Achromatopsia

11.6093, 12.2139, 13.3009

Achromatomaly

12.6435, 12.4377, 27.3255

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.3878, 14.5011, 68.1595 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, 98, 218)` looks like.

```
.text, #text, p{  
    color:rgb(51, 98, 218)  
}
```

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, 98, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 98, 218) }
```

Border

The CSS property to change the border of an element to XYZ 18.3878, 14.5011, 68.1595 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, 98, 218) }
```


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

```
.border{ border-color:rgb(51, 98, 218) }
```

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

Here you see how a box with a 4 pixel rgb(51, 98, 218) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 98, 218); -webkit-box-  
shadow:4px 4px 4px 4px rgb(51, 98, 218);  
box-shadow:4px 4px 4px 4px rgb(51, 98,  
218) }
```

Background

The CSS property to change the background color of an element to XYZ 18.3878, 14.5011, 68.1595 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(51, 98, 218) }
```

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

```
.background{ background-color: rgb(51, 98,  
218) }
```

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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