

Converting Colors

XYZ(16.2755, 13.9106, 45.5433)

Have a look what the booklet for
XYZ(16.2755, 13.9106, 45.5433)
contains.

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Color

**XYZ(16.2755, 13.9106,
45.5433)**

Conversions

Conversions Part 1

Format	Color
Hex	5362B5
RGB	83, 98, 181
RGB Percent	33%, 38%, 71%
CMY	0.6745, 0.6157, 0.2902
CMYK	0.54, 0.46, 0.00, 0.29
HSL	231°, 40%, 52%
HSV	231°, 54%, 71%
XYZ	16.2755, 13.9106, 45.5433
YIQ	102.9770, -35.5830, 22.6330

Conversions

Conversions Part 2

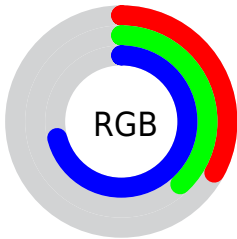
Format	Color
R_{YB}	83, 96, 181
Decimal	5464757
CIE _{Lab}	44.10, 18.58, -45.94
CIE _{LCh}	44, 49.559, 292.021
Yxy	13.9106, 0.2149, 0.1837
Android (android.graphics.Color)	4283654837 (0xFF5362B5)
YUV	102.9770, 38.4653, -17.5198
Hunter-Lab	37.2969, 12.6236, -46.2912

Details

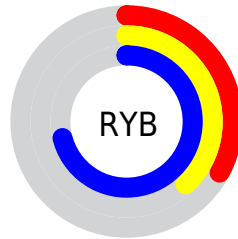
The XYZ color **16.2755, 13.9106, 45.5433** is a dark color, and the websafe version is hex **3366CC**. A complement of this color would be **34.2547, 37.7225, 13.6604**, and the grayscale version is **12.7950, 13.4613, 14.6593**.

A 20% lighter version of the original color is **36.5234, 32.7832, 84.5236**, and **5.3082, 4.1169, 20.5935** is the 20% darker color. If you saturate the color by 10%, you get **13.5824, 10.5931, 45.0452**, and if you desaturate by 10%, it is **19.6613, 17.9934, 46.1532**.

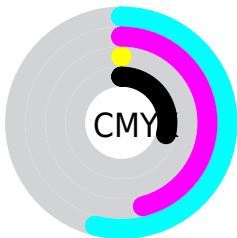
Distribution



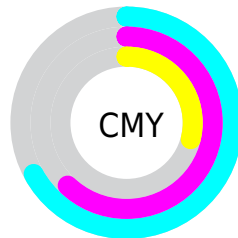
- Red (33%)
- Green (38%)
- Blue (71%)



- Red (33%)
- Yellow (38%)
- Blue (71%)



- Cyan (54%)
- Magenta (46%)
- Yellow (0%)
- Black (29%)



- Cyan (67%)
- Magenta (62%)
- Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.2755, 13.9106, 45.5433 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 16.2755, 13.9106, 45.5433 by changing the saturation by 10% instead.

■ 16.2755, 13.9106,
45.5433

■ 16.2755, 13.9106,
45.5433

224.2005,
216.6740, 385.1936

■ 9.8114, 8.0585,
31.5395

■ 36.6294, 32.9303,
84.8622

■ 5.3354, 4.1324,
20.7481

■ 51.2500, 46.8667,
111.0143

■ 2.4821, 1.7479,
12.7506

■ 69.3200, 64.2667,
142.0530

■ 0.8863, 0.4544,
7.1283

■ 91.2049, 85.5147,
178.3968

■ 0.0000, 0.0000,
3.4628

117.2701,
110.9950, 220.4642

■ 0.0000, 0.0000,
1.3355

147.8808,

■ 0.0000, 0.0000,

141.0920, 268.6738

0.0906

183.4025,
176.1902, 323.4441

■ 0.0000, 0.0000,
0.0000

■ 16.2755, 13.9106,
45.5433

■ 16.2755, 13.9106,
45.5433

■ 13.5824, 10.5931,
45.0452

■ 19.6613, 17.9934,
46.1532

■ 11.5313, 7.9909,
44.6510

■ 23.7823, 22.8842,
46.8800

■ 10.0674, 6.0501,
44.3536

■ 28.6792, 28.6245,
47.7299

■ 9.1251, 4.7080,
44.1442

■ 34.3896, 35.2522,
48.7082

■ 8.7487, 4.1525,
44.0568

■ 40.9485, 42.8030,
49.8200

■ 48.3887, 51.3106,
51.0700

■ 56.7413, 60.8071,
52.4627

■ 66.0361, 71.3230,
54.0026

■ 76.3012, 82.8874,
55.6938

Harmonies

Analogous

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



12.1960, 13.9106, 48.4680



16.2755, 13.9106, 45.5433



20.1497, 13.9106, 32.8405

Triad

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



16.2755, 13.9106, 45.5433



18.4622, 13.9106, 3.6630



7.0410, 13.9106, 12.3255

Complementary

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



16.2755, 13.9106, 45.5433



34.2547, 37.7225, 13.6604

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.



8.0972, 13.9106, 5.3231



16.2755, 13.9106, 45.5433



14.3031, 13.9106, 2.2091

Square

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



16.2755, 13.9106, 45.5433



21.5770, 13.9106, 8.3722



10.5758, 13.9106, 2.6124



7.3611, 13.9106, 24.8423

Rectangle

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



16.2755, 13.9106, 45.5433



21.8317, 13.9106, 22.8929



10.5758, 13.9106, 2.6124



7.2379, 13.9106, 9.3800

Sweetspot

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



16.2761, 13.9111, 45.5437



59.2910, 60.4753, 86.8425



26.8531, 37.5918, 41.2797



12.3566, 12.5399, 18.6914



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

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



16.2761, 13.9111, 45.5437



23.5240, 17.9680, 80.5229



18.5929, 13.2139, 45.2870



8.1435, 8.4332, 10.7049



6.0644, 2.9293, 30.3828



0.2233, 0.1571, 0.9668

Inverse Universe

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



24.3545, 16.8930, 13.5326



39.7274, 24.6745, 16.1538



30.3590, 39.9998, 14.3053



8.5476, 8.5258, 9.1162



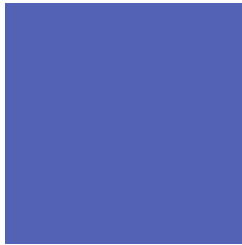
13.2957, 6.8358, 1.4512



0.4347, 0.2216, 0.1319

Previews

White Background



This preview shows how the XYZ color 16.2755, 13.9106, 45.5433 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 16.2755, 13.9106, 45.5433 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

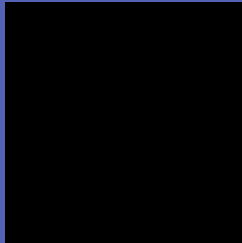
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 16.2755, 13.9106, 45.5433

Background



This preview shows how black text looks on a background with the XYZ color 16.2755, 13.9106, 45.5433.



This preview shows how white text looks on a background with the XYZ color 16.2755, 13.9106,

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

16.2755, 13.9106, 45.5433

Protanopia

15.4854, 13.8919, 47.2126

Deuteranopia

14.3150, 13.9387, 44.5838



Tritanopia

11.2320, 13.9930, 20.1981

Trichromacy



Original Color

16.2755, 13.9106, 45.5433

Protanomaly

15.7769, 13.9110, 46.6533

Deuteranomaly

14.7932, 13.7278, 45.0501

Tritanomaly

12.7414, 13.8007, 27.9788

Monochromacy



Original Color

16.2755, 13.9106, 45.5433

Achromatopsia

12.8919, 13.5633, 14.7705

Achromatomaly

13.5743, 13.4329, 23.3501

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.2755, 13.9106, 45.5433 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(83, 98, 181)` looks like.

```
.text, #text, p{  
    color:rgb(83, 98, 181)  
}
```

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(83, 98, 181) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(83, 98, 181) }
```

Border

The CSS property to change the border of an element to XYZ 16.2755, 13.9106, 45.5433 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(83, 98, 181) }
```


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

```
.border{ border-color:rgb(83, 98, 181) }
```

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

Here you see how a box with a 4 pixel `rgb(83, 98, 181)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(83, 98, 181); -webkit-box-  
shadow:4px 4px 4px 4px rgb(83, 98, 181);  
box-shadow:4px 4px 4px 4px rgb(83, 98,  
181) }
```

Background

The CSS property to change the background color of an element to XYZ 16.2755, 13.9106, 45.5433 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(83, 98, 181) }
```

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

```
.background{ background-color: rgb(83, 98,  
181) }
```

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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