

Converting Colors

XYZ(15.8586, 15.5245, 44.2802)

Have a look what the booklet for
XYZ(15.8586, 15.5245, 44.2802)
contains.

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Color

**XYZ(15.8586, 15.5245,
44.2802)**

Conversions

Conversions Part 1

Format	Color
Hex	426EB2
RGB	66, 110, 178
RGB Percent	26%, 43%, 70%
CMY	0.7412, 0.5686, 0.3020
CMYK	0.63, 0.38, 0.00, 0.30
HSL	216°, 46%, 48%
HSV	216°, 63%, 70%
XYZ	15.8586, 15.5245, 44.2802
YIQ	104.5960, -48.0520, 11.8200

Conversions

Conversions Part 2

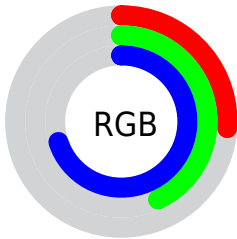
Format	Color
R _{YB}	66, 98, 178
Decimal	4353714
CIE Lab	46.34, 6.54, -40.69
CIE LCh	46, 41.208, 279.126
Yxy	15.5245, 0.2096, 0.2052
Android (android.graphics.Color)	4282543794 (0xFF426EB2)
YUV	104.5960, 36.1882, -33.8487
Hunter-Lab	39.4011, 2.8926, -39.0511

Details

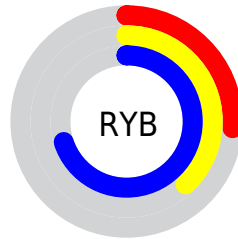
The XYZ color **15.8586, 15.5245, 44.2802** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **27.8696, 26.9101, 8.8805**, and the grayscale version is **13.2337, 13.9229, 15.1620**.

A 20% lighter version of the original color is **35.9083, 35.7153, 82.8431**, and **5.4792, 5.0357, 20.0852** is the 20% darker color. If you saturate the color by 10%, you get **13.7448, 12.8082, 43.8676**, and if you desaturate by 10%, it is **18.4890, 18.7186, 44.7584**.

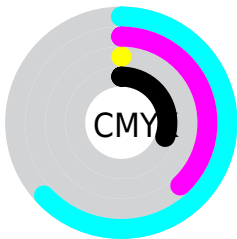
Distribution



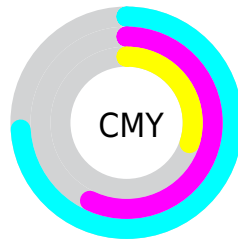
- Red (26%)
- Green (43%)
- Blue (70%)



- Red (26%)
- Yellow (38%)
- Blue (70%)



- Cyan (63%)
- Magenta (38%)
- Yellow (0%)
- Black (30%)



- Cyan (74%)
- Magenta (57%)
- Yellow (30%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.8586, 15.5245, 44.2802 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 15.8586, 15.5245, 44.2802 by changing the saturation by 10% instead.

■ 15.8586, 15.5245,
44.2802

■ 15.8586, 15.5245,
44.2802

221.7927,
226.5193, 379.9252

■ 9.5144, 9.1883,
30.5520

■ 35.9120, 35.7707,
82.9462

■ 5.1380, 4.8642,
20.0024

■ 50.3518, 50.4495,
108.7211

■ 2.3640, 2.1678,
12.2127

■ 68.2210, 68.6780,
139.3486

■ 0.8271, 0.7024,
6.7644

■ 89.8847, 90.8406,
175.2474

■ 0.0000, 0.0000,
3.2390

■ 115.7084,
117.3216, 216.8359

■ 0.0000, 0.0000,
1.2179

146.0574,

■ 0.0000, 0.0000,

148.5054, 264.5327

0.0000

181.2970,
184.7766, 318.7563

■ 15.8586, 15.5245,
44.2802

■ 15.8586, 15.5245,
44.2802

■ 13.7448, 12.8082,
43.8676

■ 18.4890, 18.7186,
44.7584

■ 12.1048, 10.5396,
43.5162

■ 21.6703, 22.4149,
45.3042

■ 10.8907, 8.6861,
43.2224

■ 25.4358, 26.6376,
45.9208

■ 10.2214, 7.5853,
43.0452

■ 29.8155, 31.4086,
46.6109

■ 34.8372, 36.7486,
47.3769

■ 40.5269, 42.6769,
48.2213

■ 46.9092, 49.2122,
49.1464

■ 54.0072, 56.3719,
50.1542

■ 61.8430, 64.1730,
51.2470

Harmonies

Analogous

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



12.4666, 15.5245, 42.3518



15.8586, 15.5245, 44.2802



19.4669, 15.5245, 36.9147

Triad

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



15.8586, 15.5245, 44.2802



20.6728, 15.5245, 7.3643



9.2784, 15.5245, 10.8797

Complementary

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



15.8586, 15.5245, 44.2802



27.8696, 26.9101, 8.8805

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.



10.8732, 15.5245, 5.8628



15.8586, 15.5245, 44.2802



17.3088, 15.5245, 4.4686

Square

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



15.8586, 15.5245, 44.2802



22.5237, 15.5245, 14.0038



13.7049, 15.5245, 4.0577



9.0169, 15.5245, 20.1782

Rectangle

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



15.8586, 15.5245, 44.2802



21.3823, 15.5245, 28.9708



13.7049, 15.5245, 4.0577



9.6625, 15.5245, 8.7613

Sweetspot

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



15.8592, 15.5250, 44.2806



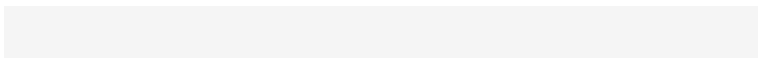
57.2004, 60.3123, 85.0078



22.4154, 34.6986, 27.7799



12.1222, 12.7729, 18.7488



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.



15.8592, 15.5250, 44.2806



23.5163, 21.3210, 79.2571



13.0617, 8.6979, 43.1103



8.3067, 8.7596, 10.7593



7.3711, 5.5425, 30.8183



0.2896, 0.2898, 0.9889

Inverse Universe

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



23.1234, 14.4880, 16.3300



38.3941, 21.4427, 21.5078



32.7985, 40.4283, 11.2300



8.6300, 8.5587, 9.5500



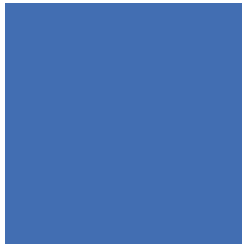
13.9552, 7.0996, 4.9242



0.4682, 0.2350, 0.3083

Previews

White Background



This preview shows how the XYZ color 15.8586, 15.5245, 44.2802 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 15.8586, 15.5245, 44.2802 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

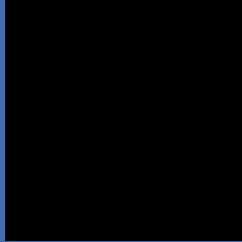
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 15.8586, 15.5245, 44.2802

Background



This preview shows how black text looks on a background with the XYZ color 15.8586, 15.5245, 44.2802.

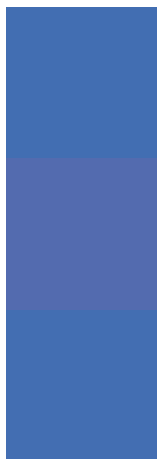


This preview shows how white text looks on a background with the XYZ color 15.8586, 15.5245,

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

15.8586, 15.5245, 44.2802

Protanopia

16.5628, 15.4495, 42.6665

Deuteranopia

15.9266, 15.5595, 44.2833



Tritanopia

11.6602, 15.5161, 23.4994

Trichromacy



Original Color

15.8586, 15.5245, 44.2802

Protanomaly

16.2596, 15.4375, 43.1971

Deuteranomaly

15.9266, 15.5595, 44.2833

Tritanomaly

12.8272, 15.2755, 29.8762

Monochromacy



Original Color

15.8586, 15.5245, 44.2802

Achromatopsia

13.4271, 14.1263, 15.3836

Achromatomaly

13.7369, 14.4055, 23.8863

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.8586, 15.5245, 44.2802 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(66, 110, 178)` looks like.

```
.text, #text, p{  
    color:rgb(66, 110, 178)  
}
```

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(66, 110, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(66, 110, 178) }
```

Border

The CSS property to change the border of an element to XYZ 15.8586, 15.5245, 44.2802 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(66, 110, 178) }
```


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

```
.border{ border-color:rgb(66, 110, 178) }
```

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

Here you see how a box with a 4 pixel `rgb(66, 110, 178)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(66, 110, 178); -webkit-box-  
shadow:4px 4px 4px 4px rgb(66, 110, 178);  
box-shadow:4px 4px 4px 4px rgb(66, 110,  
178) }
```

Background

The CSS property to change the background color of an element to XYZ 15.8586, 15.5245, 44.2802 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(66, 110, 178) }
```

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

```
.background{ background-color: rgb(66, 110,  
178) }
```

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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