

Converting Colors

XYZ(15.4154, 15.5426, 34.5804)

Have a look what the booklet for
XYZ(15.4154, 15.5426, 34.5804)
contains.

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Color

**XYZ(15.4036, 15.5053,
34.5287)**

Conversions

Conversions Part 1

Format	Color
Hex	546E9E
RGB	84, 110, 158
RGB Percent	33%, 43%, 62%
CMY	0.6706, 0.5686, 0.3804
CMYK	0.47, 0.30, 0.00, 0.38
HSL	219°, 31%, 47%
HSV	219°, 47%, 62%
XYZ	15.4036, 15.5053, 34.5287
YIQ	107.6980, -30.9040, 9.4160

Conversions

Conversions Part 2

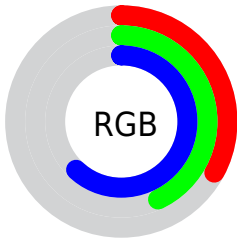
Format	Color
R _Y B	84, 103, 158
Decimal	5533342
CIE Lab	46.32, 3.99, -28.94
CIE LCh	46, 29.214, 277.847
Yxy	15.5053, 0.2354, 0.2369
Android (android.graphics.Color)	4283723422 (0xFF546E9E)
YUV	107.6980, 24.7989, -20.7831
Hunter-Lab	39.3768, 0.9172, -24.4265

Details

The XYZ color **15.4036, 15.5053, 34.5287** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **23.9525, 24.4122, 11.8377**, and the grayscale version is **14.1089, 14.8437, 16.1647**.

A 20% lighter version of the original color is **35.0716, 35.6122, 67.9762**, and **4.9144, 4.8716, 14.3170** is the 20% darker color. If you saturate the color by 10%, you get **13.1032, 12.7720, 34.1227**, and if you desaturate by 10%, it is **18.1520, 18.6600, 34.9931**.

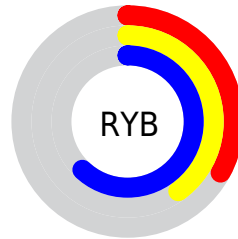
Distribution



Red (33%)

Green (43%)

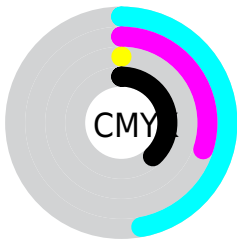
Blue (62%)



Red (33%)

Yellow (40%)

Blue (62%)

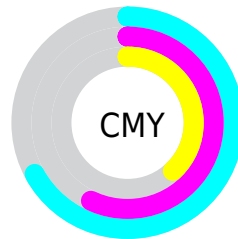


Cyan (47%)

Magenta (30%)

Yellow (0%)

Black (38%)



Cyan (67%)

Magenta (57%)

Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.4036, 15.5053, 34.5287 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 15.4036, 15.5053, 34.5287 by changing the saturation by 10% instead.

■ 15.4036, 15.5053,
34.5287

■ 15.4036, 15.5053,
34.5287

219.1365,
226.4046, 337.3240

■ 9.1913, 9.1748,
23.0194

■ 35.1255, 35.7372,
67.8983

■ 4.9243, 4.8554,
14.4024

■ 49.3659, 50.4074,
90.5956

■ 2.2372, 2.1626,
8.2591

■ 67.0130, 68.6263,
117.8594

■ 0.7622, 0.6995,
4.1711

■ 88.4321, 90.7782,
150.1082

■ 0.0000, 0.0000,
1.7197

■ 113.9887,
117.2476, 187.7605

■ 0.0000, 0.0000,
0.3741

144.0480,

■ 0.0000, 0.0000,

148.4189, 231.2349

0.0000

178.9755,
184.6764, 280.9498

■ 15.4036, 15.5053,
34.5287

■ 15.4036, 15.5053,
34.5287

■ 13.1032, 12.7720,
34.1227

■ 18.1520, 18.6600,
34.9931

■ 11.2231, 10.4385,
33.7713

■ 21.3706, 22.2529,
35.5169

■ 9.7348, 8.4836,
33.4724

■ 25.0820, 26.3017,
36.1028

■ 8.6053, 6.8830,
33.2230

■ 29.3067, 30.8226,
36.7528

■ 7.7858, 5.6041,
33.0194

■ 34.0643, 35.8311,
37.4687

■ 7.5623, 5.2501,
32.9628

■ 39.3730, 41.3417,
38.2526

■ 45.2502, 47.3686,
39.1061

■ 51.7127, 53.9251,
40.0311

■ 58.7764, 61.0241,
41.0290

Harmonies

Analogous

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



12.9975, 15.5053, 33.1182



15.4036, 15.5053, 34.5287



17.8888, 15.5053, 30.2585

Triad

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



15.4036, 15.5053, 34.5287



18.8697, 15.5053, 9.7646



10.7174, 15.5053, 12.2041

Complementary

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



15.4036, 15.5053, 34.5287



23.9525, 24.4122, 11.8377

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.



11.9796, 15.5053, 8.1761



15.4036, 15.5053, 34.5287



16.6258, 15.5053, 7.0706

Square

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



15.4036, 15.5053, 34.5287



20.0323, 15.5053, 15.0715



14.0905, 15.5053, 6.5853



10.4688, 15.5053, 18.8334

Rectangle

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



15.4036, 15.5053, 34.5287



19.1946, 15.5053, 25.3227



14.0905, 15.5053, 6.5853



11.0298, 15.5053, 10.5634

Sweetspot

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



15.4041, 15.5059, 34.5291



47.4226, 49.7827, 65.8530



19.9712, 27.9740, 25.7728



10.3526, 10.8586, 14.7939



76.7382, 80.7346, 87.9200



13.3056, 13.9985, 15.2444

Same Dimension

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



15.4041, 15.5059, 34.5291



23.6969, 23.0744, 61.9483



13.9448, 11.1825, 33.7715



6.4659, 6.7975, 8.3779



6.0908, 4.2731, 26.4110



0.1467, 0.1520, 0.4848

Inverse Universe

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



20.0858, 14.7361, 16.5381



33.4698, 22.3156, 24.2020



26.0643, 31.4025, 13.0756



6.7245, 6.6827, 7.4003



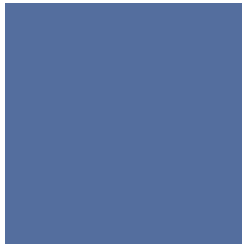
11.8726, 6.0536, 3.5799



0.2314, 0.1159, 0.1645

Previews

White Background



This preview shows how the XYZ color 15.4036, 15.5053, 34.5287 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 15.4036, 15.5053, 34.5287 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

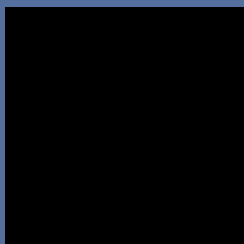
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

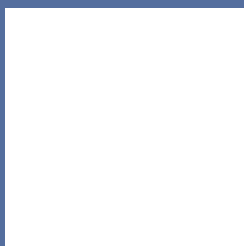
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 15.4036, 15.5053, 34.5287

Background



This preview shows how black text looks on a background with the XYZ color 15.4036, 15.5053, 34.5287.

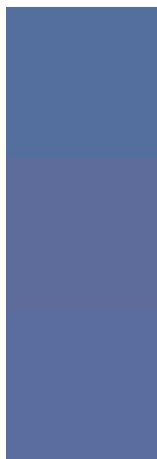


This preview shows how white text looks on a background with the XYZ color 15.4036, 15.5053,

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

15.4036, 15.5053, 34.5287

Protanopia

15.9794, 15.5051, 33.6031

Deuteranopia

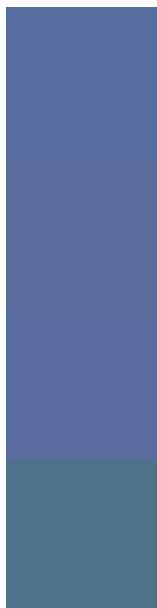
15.8566, 15.5796, 34.5192



Tritanopia

12.8353, 15.4530, 22.0449

Trichromacy



Original Color

15.4036, 15.5053, 34.5287

Protanomaly

15.7709, 15.5453, 34.0676

Deuteranomaly

15.6647, 15.4806, 34.5102

Tritanomaly

13.7466, 15.4893, 26.3100

Monochromacy



Original Color

15.4036, 15.5053, 34.5287

Achromatopsia

14.2537, 14.9960, 16.3306

Achromatomaly

14.3801, 15.0963, 21.8946

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.4036, 15.5053, 34.5287 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(84, 110, 158)` looks like.

```
.text, #text, p{  
    color:rgb(84, 110, 158)  
}
```

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(84, 110, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(84, 110, 158) }
```

Border

The CSS property to change the border of an element to XYZ 15.4036, 15.5053, 34.5287 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(84, 110, 158) }
```


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

```
.border{ border-color:rgb(84, 110, 158) }
```

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

Here you see how a box with a 4 pixel `rgb(84, 110, 158)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(84, 110, 158); -webkit-box-  
shadow:4px 4px 4px 4px rgb(84, 110, 158);  
box-shadow:4px 4px 4px 4px rgb(84, 110,  
158) }
```

Background

The CSS property to change the background color of an element to XYZ 15.4036, 15.5053, 34.5287 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(84, 110, 158) }
```

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

```
.background{ background-color: rgb(84, 110,  
158) }
```

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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