

Converting Colors

XYZ(15.0530, 13.7487, 33.5108)

Have a look what the booklet for
XYZ(15.0530, 13.7487, 33.5108)
contains.

XYZ(14.9768, 13.6511, 33.2981)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(14.9768, 13.6511,
33.2981)**

Conversions

Conversions Part 1

Format	Color
Hex	5D639C
RGB	93, 99, 156
RGB Percent	36%, 39%, 61%
CMY	0.6353, 0.6118, 0.3882
CMYK	0.40, 0.37, 0.00, 0.39
HSL	234°, 25%, 49%
HSV	234°, 40%, 61%
XYZ	14.9768, 13.6511, 33.2981
YIQ	103.7040, -21.8730, 16.4550

Conversions

Conversions Part 2

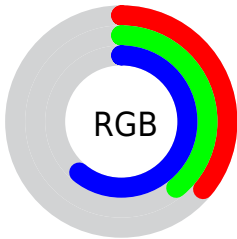
Format	Color
R_{YB}	93, 98, 156
Decimal	6120348
CIE _{Lab}	43.73, 12.61, -31.77
CIE _{LCh}	44, 34.178, 291.655
Yxy	13.6511, 0.2418, 0.2204
Android (android.graphics.Color)	4284310428 (0xFF5D639C)
YUV	103.7040, 25.7819, -9.3874
Hunter-Lab	36.9474, 7.6979, -27.5707

Details

The XYZ color **14.9768, 13.6511, 33.2981** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **26.5930, 29.6717, 14.6822**, and the grayscale version is **13.0171, 13.6950, 14.9138**.

A 20% lighter version of the original color is **34.5183, 32.6268, 66.1063**, and **4.7266, 4.0379, 13.6270** is the 20% darker color. If you saturate the color by 10%, you get **12.3336, 10.4741, 32.8244**, and if you desaturate by 10%, it is **18.1769, 17.4626, 33.8654**.

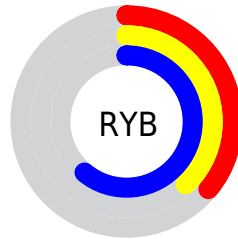
Distribution



Red (36%)

Green (39%)

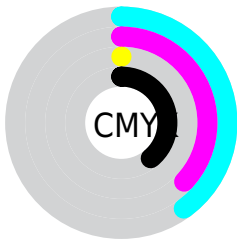
Blue (61%)



Red (36%)

Yellow (38%)

Blue (61%)

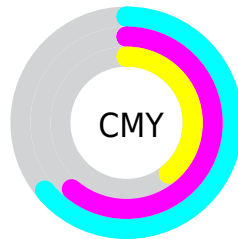


Cyan (40%)

Magenta (37%)

Yellow (0%)

Black (39%)



Cyan (64%)

Magenta (61%)

Yellow (39%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 14.9768, 13.6511, 33.2981 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 14.9768, 13.6511, 33.2981 by changing the saturation by 10% instead.

■ 14.9768, 13.6511,
33.2981

■ 14.9768, 13.6511,
33.2981

216.6169,
215.0494, 331.6640

■ 8.8893, 7.8784,
22.0819

■ 34.3845, 32.4687,
65.9620

■ 4.7256, 4.0172,
13.7182

■ 48.4354, 46.2823,
88.2468

■ 2.1203, 1.6832,
7.7884

■ 65.8714, 63.5451,
115.0583

■ 0.7002, 0.4128,
3.8740

■ 87.0580, 84.6414,
146.8149

■ 0.0000, 0.0000,
1.5565

112.3605,
109.9555, 183.9353

■ 0.0000, 0.0000,
0.2595

142.1443,

■ 0.0000, 0.0000,

139.8720, 226.8379

0.0000

176.7746,
174.7751, 275.9412

■ 14.9768, 13.6511,
33.2981

■ 14.9768, 13.6511,
33.2981

■ 12.3336, 10.4741,
32.8244

■ 18.1769, 17.4626,
33.8654

■ 10.2139, 7.8956,
32.4385

■ 21.9616, 21.9390,
34.5299

■ 8.5829, 5.8784,
32.1351

■ 26.3588, 27.1105,
35.2964

■ 7.4013, 4.3802,
31.9082

■ 31.3940, 33.0050,
36.1688

■ 6.6233, 3.3529,
31.7509

■ 37.0913, 39.6489,
37.1509

■ 6.1696, 2.7379,
31.6561

■ 43.4735, 47.0673,
38.2464

■ 50.5624, 55.2840,
39.4587

■ 58.3787, 64.3219,
40.7913

■ 66.9425, 74.2029,
42.2471

Harmonies

Analogous

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



12.2393, 13.6511, 34.8413



14.9768, 13.6511, 33.2981



17.4644, 13.6511, 26.0657

Triad

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



14.9768, 13.6511, 33.2981



16.4522, 13.6511, 6.0158



8.5043, 13.6511, 12.8176

Complementary

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



14.9768, 13.6511, 33.2981



26.5930, 29.6717, 14.6822

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.



9.3294, 13.6511, 7.4429



14.9768, 13.6511, 33.2981



13.7395, 13.6511, 4.5030

Square

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



14.9768, 13.6511, 33.2981



18.3948, 13.6511, 10.0441



11.1600, 13.6511, 4.9154



8.7403, 13.6511, 21.0211

Rectangle

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



14.9768, 13.6511, 33.2981



18.5239, 13.6511, 20.0253



11.1600, 13.6511, 4.9154



8.6621, 13.6511, 10.6753

Sweetspot

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



14.9773, 13.6516, 33.2984



46.3073, 47.4003, 63.8353



21.8841, 28.2969, 33.0365



9.9753, 10.1784, 14.0092



74.8435, 78.7412, 85.7492



12.6291, 13.2868, 14.4694

Same Dimension

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



14.9773, 13.6516, 33.2984



23.0293, 19.7825, 59.7314



17.4141, 14.0953, 33.2556



6.3330, 6.5318, 8.3337



5.0945, 2.2805, 26.0789



0.1042, 0.0670, 0.4707

Inverse Universe

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



19.8773, 15.7981, 13.8065



33.1819, 24.4091, 19.3043



23.1939, 29.3770, 14.8045



6.6574, 6.6559, 7.0472



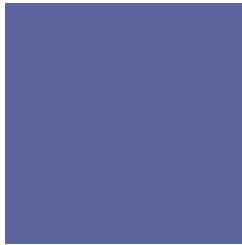
11.3697, 5.8524, 0.9317



0.2099, 0.1073, 0.0515

Previews

White Background



This preview shows how the XYZ color 14.9768, 13.6511, 33.2981 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 14.9768, 13.6511, 33.2981 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 14.9768, 13.6511, 33.2981

Background



This preview shows how black text looks on a background with the XYZ color 14.9768, 13.6511, 33.2981.



This preview shows how white text looks on a background with the XYZ color 14.9768, 13.6511,

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

14.9768, 13.6511, 33.2981

Protanopia

14.3925, 13.6150, 34.2171

Deuteranopia

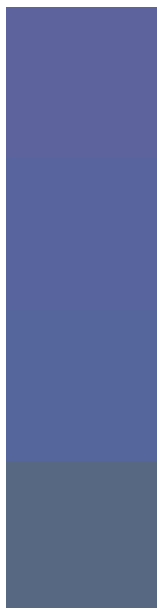
13.9911, 13.7293, 32.9230



Tritanopia

11.9774, 13.6153, 18.5197

Trichromacy



Original Color

14.9768, 13.6511, 33.2981

Protanomaly

14.5735, 13.5749, 33.7504

Deuteranomaly

14.3239, 13.7541, 32.9102

Tritanomaly

12.9775, 13.5656, 23.4072

Monochromacy



Original Color

14.9768, 13.6511, 33.2981

Achromatopsia

13.1579, 13.8432, 15.0752

Achromatomaly

13.5821, 13.6421, 20.6562

CSS Examples

Text

The CSS property to change the color of the text to XYZ 14.9768, 13.6511, 33.2981 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(93, 99, 156)` looks like.

```
.text, #text, p{  
    color:rgb(93, 99, 156)  
}
```

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(93, 99, 156) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(93, 99, 156) }
```

Border

The CSS property to change the border of an element to XYZ 14.9768, 13.6511, 33.2981 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(93, 99, 156) }
```


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

```
.border{ border-color:rgb(93, 99, 156) }
```

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

Here you see how a box with a 4 pixel rgb(93, 99, 156) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(93, 99, 156); -webkit-box-  
shadow:4px 4px 4px 4px rgb(93, 99, 156);  
box-shadow:4px 4px 4px 4px rgb(93, 99,  
156) }
```

Background

The CSS property to change the background color of an element to XYZ 14.9768, 13.6511, 33.2981 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(93, 99, 156) }
```

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

```
.background{ background-color: rgb(93, 99,  
156) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor