

Converting Colors

XYZ(15.9696, 14.1958, 34.7555)

Have a look what the booklet for
XYZ(15.9696, 14.1958, 34.7555)
contains.

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Color

**XYZ(15.8654, 14.0795,
34.6823)**

Conversions

Conversions Part 1

Format	Color
Hex	63639F
RGB	99, 99, 159
RGB Percent	39%, 39%, 62%
CMY	0.6118, 0.6118, 0.3765
CMYK	0.38, 0.38, 0.00, 0.38
HSL	240°, 24%, 51%
HSV	240°, 38%, 62%
XYZ	15.8654, 14.0795, 34.6823
YIQ	105.8400, -19.2600, 18.6600

Conversions

Conversions Part 2

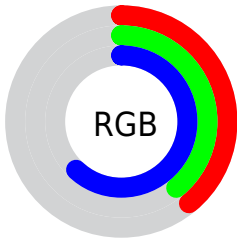
Format	Color
R_{YB}	99, 99, 159
Decimal	6513567
CIE _{Lab}	44.35, 15.19, -32.54
CIE _{LCh}	44, 35.911, 295.016
Yxy	14.0795, 0.2455, 0.2179
Android (android.graphics.Color)	4284703647 (0xFF63639F)
YUV	105.8400, 26.2079, -5.9987
Hunter-Lab	37.5227, 9.8090, -28.5361

Details

The XYZ color **15.8654, 14.0795, 34.6823** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **28.9485, 33.0683, 16.6619**, and the grayscale version is **13.5906, 14.2984, 15.5709**.

A 20% lighter version of the original color is **35.9928, 33.3431, 68.1572**, and **5.1459, 4.2361, 14.4564** is the 20% darker color. If you saturate the color by 10%, you get **12.9354, 10.5490, 34.1555**, and if you desaturate by 10%, it is **19.4350, 18.3805, 35.3246**.

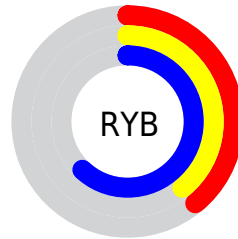
Distribution



Red (39%)

Green (39%)

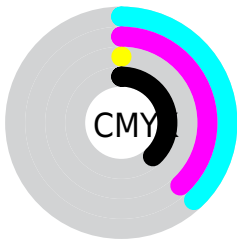
Blue (62%)



Red (39%)

Yellow (39%)

Blue (62%)

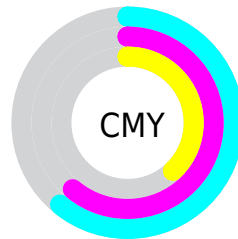


Cyan (38%)

Magenta (38%)

Yellow (0%)

Black (38%)



Cyan (61%)

Magenta (61%)

Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.8654, 14.0795, 34.6823 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 15.8654, 14.0795, 34.6823 by changing the saturation by 10% instead.

■ 15.8654, 14.0795,
34.6823

■ 15.8654, 14.0795,
34.6823

221.8322,
217.7248, 338.0253

■ 9.5192, 8.1760,
23.1367

■ 35.9237, 33.2300,
68.1393

■ 5.1412, 4.2078,
14.4882

■ 50.3665, 47.2458,
90.8877

■ 2.3659, 1.7904,
8.3184

■ 68.2389, 64.7345,
118.2075

■ 0.8281, 0.4812,
4.2087

■ 89.9063, 86.0804,
150.5171

■ 0.0000, 0.0000,
1.7405

115.7339,
111.6680, 188.2352

■ 0.0000, 0.0000,
0.3883

146.0872,

■ 0.0000, 0.0000,

141.8817, 231.7802

0.0000

181.3315,
177.1059, 281.5708

■ 15.8654, 14.0795,
34.6823

■ 15.8654, 14.0795,
34.6823

■ 12.9354, 10.5490,
34.1555

■ 19.4350, 18.3805,
35.3246

■ 10.6059, 7.7420,
33.7365

■ 23.6772, 23.4922,
36.0877

■ 8.8356, 5.6090,
33.4181

■ 28.6247, 29.4536,
36.9776

■ 7.5779, 4.0935,
33.1919

■ 34.3076, 36.3011,
37.9997

■ 6.7780, 3.1297,
33.0480

■ 40.7540, 44.0686,
39.1593

■ 6.3422, 2.6047,
32.9696

■ 47.9909, 52.7886,
40.4610

■ 6.2581, 2.5032,
32.9545

■ 56.0436, 62.4917,
41.9094

■ 64.9367, 73.2073,
43.5090

■ 74.6934, 84.9636,
45.2640

Harmonies

Analogous

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



12.9064, 14.0795, 37.2038



15.8654, 14.0795, 34.6823



18.4562, 14.0795, 26.3508

Triad

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



15.8654, 14.0795, 34.6823



16.8181, 14.0795, 5.6559



8.5852, 14.0795, 13.9921

Complementary

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



15.8654, 14.0795, 34.6823



28.9485, 33.0683, 16.6619

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.



9.3354, 14.0795, 7.9114



15.8654, 14.0795, 34.6823



13.8695, 14.0795, 4.3309

Square

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



15.8654, 14.0795, 34.6823



19.0592, 14.0795, 9.5498



11.1725, 14.0795, 4.9758



8.9617, 14.0795, 23.0699

Rectangle

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



15.8654, 14.0795, 34.6823



19.4820, 14.0795, 19.8113



11.1725, 14.0795, 4.9758



8.7104, 14.0795, 11.5815

Sweetspot

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



15.8659, 14.0800, 34.6826



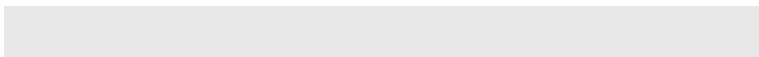
48.0390, 48.8625, 65.6429



23.8021, 29.9524, 37.3280



10.5746, 10.7078, 14.7531



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.



15.8659, 14.0800, 34.6826



24.0681, 19.9790, 61.3313



19.7735, 16.0945, 34.8655



6.2848, 6.4353, 8.3176



4.9428, 1.9771, 26.0283



0.0884, 0.0354, 0.4654

Inverse Universe

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



25.0182, 18.7982, 35.1107



42.7866, 29.6288, 62.2067



23.7039, 30.3646, 16.4165



6.9042, 6.7546, 8.3465



16.2358, 7.7989, 26.5563



0.2903, 0.1394, 0.4748

Previews

White Background



This preview shows how the XYZ color 15.8654, 14.0795, 34.6823 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 15.8654, 14.0795, 34.6823 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 15.8654, 14.0795, 34.6823

Background



This preview shows how black text looks on a background with the XYZ color 15.8654, 14.0795, 34.6823.

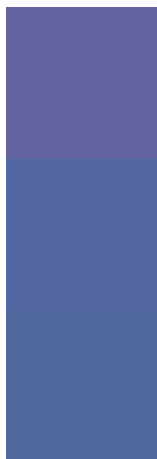


This preview shows how white text looks on a background with the XYZ color 15.8654, 14.0795,

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

15.8654, 14.0795, 34.6823

Protanopia

14.9391, 14.1481, 36.1259

Deuteranopia

14.4301, 14.0747, 34.3039



Tritanopia

12.6348, 14.1099, 18.5806

Trichromacy



Original Color

15.8654, 14.0795, 34.6823

Protanomaly

15.3042, 14.1998, 35.6524

Deuteranomaly

14.8534, 13.9976, 34.2667

Tritanomaly

13.7306, 14.0962, 23.8270

Monochromacy



Original Color

15.8654, 14.0795, 34.6823

Achromatopsia

13.6994, 14.4128, 15.6956

Achromatomaly

14.1454, 14.0647, 21.3713

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.8654, 14.0795, 34.6823 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(99, 99, 159)` looks like.

```
.text, #text, p{  
    color:rgb(99, 99, 159)  
}
```

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(99, 99, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(99, 99, 159) }
```

Border

The CSS property to change the border of an element to XYZ 15.8654, 14.0795, 34.6823 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(99, 99, 159) }
```


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

```
.border{ border-color:rgb(99, 99, 159) }
```

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

Here you see how a box with a 4 pixel `rgb(99, 99, 159)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(99, 99, 159); -webkit-box-  
shadow:4px 4px 4px 4px rgb(99, 99, 159);  
box-shadow:4px 4px 4px 4px rgb(99, 99,  
159) }
```

Background

The CSS property to change the background color of an element to XYZ 15.8654, 14.0795, 34.6823 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(99, 99, 159) }
```

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

```
.background{ background-color: rgb(99, 99,  
159) }
```

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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