

Converting Colors

XYZ(15.2395, 13.3092, 34.6717)

Have a look what the booklet for
XYZ(15.2395, 13.3092, 34.6717)
contains.

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Color

**XYZ(15.2647, 13.3557,
34.5743)**

Conversions

Conversions Part 1

Format	Color
Hex	60609F
RGB	96, 96, 159
RGB Percent	38%, 38%, 62%
CMY	0.6235, 0.6235, 0.3765
CMYK	0.40, 0.40, 0.00, 0.38
HSL	240°, 25%, 50%
HSV	240°, 40%, 62%
XYZ	15.2647, 13.3557, 34.5743
YIQ	103.1820, -20.2230, 19.5930

Conversions

Conversions Part 2

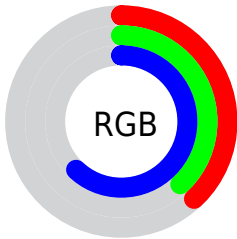
Format	Color
R_{YB}	96, 96, 159
Decimal	6316191
CIE _{Lab}	43.29, 16.20, -34.21
CIE _{LCh}	43, 37.857, 295.340
Yxy	13.3557, 0.2416, 0.2113
Android (android.graphics.Color)	4284506271 (0xFF60609F)
YUV	103.1820, 27.5183, -6.2986
Hunter-Lab	36.5455, 10.6033, -30.5103

Details

The XYZ color **15.2647, 13.3557, 34.5743** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **28.8077, 33.0120, 15.9203**, and the grayscale version is **12.8739, 13.5444, 14.7498**.

A 20% lighter version of the original color is **34.8109, 31.8024, 67.9221**, and **4.8766, 3.9006, 14.4058** is the 20% darker color. If you saturate the color by 10%, you get **12.4511, 9.9654, 34.0684**, and if you desaturate by 10%, it is **18.7111, 17.5082, 35.1944**.

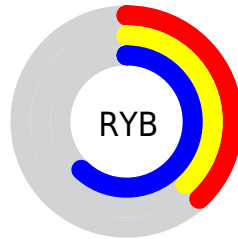
Distribution



Red (38%)

Green (38%)

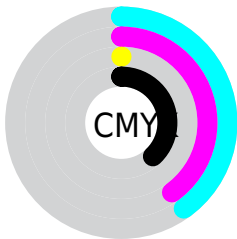
Blue (62%)



Red (38%)

Yellow (38%)

Blue (62%)

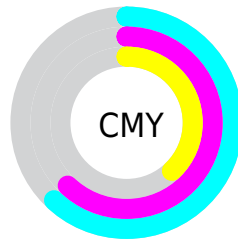


Cyan (40%)

Magenta (40%)

Yellow (0%)

Black (38%)



Cyan (62%)

Magenta (62%)

Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.2647, 13.3557, 34.5743 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 15.2647, 13.3557, 34.5743 by changing the saturation by 10% instead.

■ 15.2647, 13.3557,
34.5743

■ 15.2647, 13.3557,
34.5743

218.3196,
213.1849, 337.5323

■ 9.0929, 7.6739,
23.0542

■ 34.8847, 31.9414,
67.9698

■ 4.8594, 3.8870,
14.4279

■ 49.0637, 45.6140,
90.6824

■ 2.1989, 1.6106,
8.2767

■ 66.6424, 62.7191,
117.9628

■ 0.7422, 0.3647,
4.1822

■ 87.9862, 83.6411,
150.2297

■ 0.0000, 0.0000,
1.7258

113.4604,
108.7642, 187.9015

■ 0.0000, 0.0000,
0.3783

143.4305,

■ 0.0000, 0.0000,

138.4730, 231.3969

0.0000

178.2618,
173.1517, 281.1343

■ 15.2647, 13.3557,
34.5743

■ 15.2647, 13.3557,
34.5743

■ 12.4511, 9.9654,
34.0684

■ 18.7111, 17.5082,
35.1944

■ 10.2304, 7.2896,
33.6690

■ 22.8238, 22.4638,
35.9342

■ 8.5606, 5.2776,
33.3687

■ 27.6358, 28.2620,
36.7997

■ 7.3937, 3.8716,
33.1588

■ 33.1777, 34.9396,
37.7966

■ 6.6732, 3.0035,
33.0292

■ 39.4780, 42.5311,
38.9298

■ 6.2721, 2.5202,
32.9570

■ 46.5637, 51.0690,
40.2043

■ 6.2581, 2.5032,
32.9545

■ 54.4606, 60.5843,
41.6247

■ 63.1933, 71.1067,
43.1955

■ 72.7853, 82.6645,
44.9208

Harmonies

Analogous

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



12.2414, 13.3557, 37.3176



15.2647, 13.3557, 34.5743



17.9223, 13.3557, 25.8002

Triad

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



15.2647, 13.3557, 34.5743



16.1800, 13.3557, 4.8904



7.8612, 13.3557, 13.2687

Complementary

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



15.2647, 13.3557, 34.5743



28.8077, 33.0120, 15.9203

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.



8.5967, 13.3557, 7.1537



15.2647, 13.3557, 34.5743



13.1580, 13.3557, 3.6522

Square

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



15.2647, 13.3557, 34.5743



18.5052, 13.3557, 8.6658



10.4298, 13.3557, 4.2828



8.2481, 13.3557, 22.6099

Rectangle

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



15.2647, 13.3557, 34.5743



18.9708, 13.3557, 19.0258



10.4298, 13.3557, 4.2828



7.9816, 13.3557, 10.8247

Sweetspot

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



15.2652, 13.3562, 34.5746



47.1230, 47.7587, 65.4782



23.4804, 29.7866, 37.3130



10.3836, 10.4777, 14.7188



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.



15.2652, 13.3562, 34.5746



22.6201, 18.2344, 61.0708



19.2683, 15.4199, 34.7620



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.



24.7392, 18.2402, 35.0177



42.1141, 28.2839, 61.9825



23.3369, 30.1917, 15.6643



6.9042, 6.7546, 8.3465



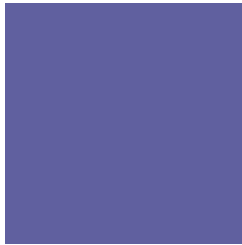
16.2358, 7.7989, 26.5562



0.2903, 0.1394, 0.4748

Previews

White Background



This preview shows how the XYZ color 15.2647, 13.3557, 34.5743 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 15.2647, 13.3557, 34.5743 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

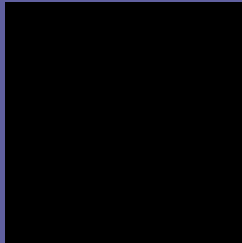
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 15.2647, 13.3557, 34.5743

Background



This preview shows how black text looks on a background with the XYZ color 15.2647, 13.3557, 34.5743.

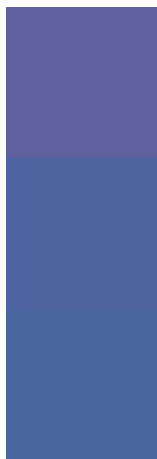


This preview shows how white text looks on a background with the XYZ color 15.2647, 13.3557,

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

15.2647, 13.3557, 34.5743

Protanopia

14.3099, 13.3784, 36.4784

Deuteranopia

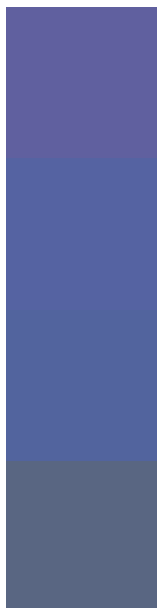
13.7470, 13.4272, 34.2149



Tritanopia

11.9376, 13.4543, 17.8873

Trichromacy



Original Color

15.2647, 13.3557, 34.5743

Protanomaly

14.7297, 13.4636, 36.0048

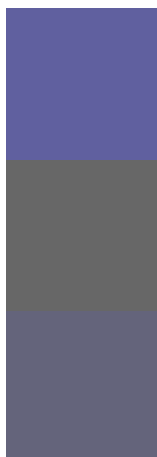
Deuteranomaly

14.2084, 13.3768, 34.1809

Tritanomaly

12.9005, 13.2383, 22.9944

Monochromacy



Original Color

15.2647, 13.3557, 34.5743

Achromatopsia

12.8919, 13.5633, 14.7705

Achromatomaly

13.3879, 13.2537, 20.5915

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.2647, 13.3557, 34.5743 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(96, 96, 159) looks like.

```
.text, #text, p{  
    color:rgb(96, 96, 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(96, 96, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(96, 96, 159) }
```

Border

The CSS property to change the border of an element to XYZ 15.2647, 13.3557, 34.5743 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(96, 96, 159) }
```


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

```
.border{ border-color:rgb(96, 96, 159) }
```

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

Here you see how a box with a 4 pixel `rgb(96, 96, 159)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(96, 96, 159); -webkit-box-  
shadow:4px 4px 4px 4px rgb(96, 96, 159);  
box-shadow:4px 4px 4px 4px rgb(96, 96,  
159) }
```

Background

The CSS property to change the background color of an element to XYZ 15.2647, 13.3557, 34.5743 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(96, 96, 159) }
```

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

```
.background{ background-color: rgb(96, 96,  
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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