

Converting Colors

XYZ(32.9601, 40.1322, 15.0271)

Have a look what the booklet for
XYZ(32.9601, 40.1322, 15.0271)
contains.

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Color

**XYZ(32.9595, 40.1317,
15.0259)**

Conversions

Conversions Part 1

Format	Color
Hex	A5B157
RGB	165, 177, 87
RGB Percent	65%, 69%, 34%
CMY	0.3529, 0.3059, 0.6588
CMYK	0.07, 0.00, 0.51, 0.31
HSL	68°, 37%, 52%
HSV	68°, 51%, 69%
XYZ	32.9595, 40.1317, 15.0259
YIQ	163.1520, 21.7380, -30.5340

Conversions

Conversions Part 2

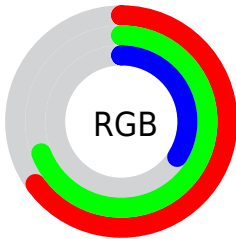
Format	Color
RYB	87, 177, 99
Decimal	10858839
CIELab	69.56, -17.53, 44.17
CIELCh	70, 47.521, 111.646
Yxy	40.1317, 0.3740, 0.4554
Android (android.graphics.Color)	4289048919 (0xFFA5B157)
YUV	163.1520, -37.5429, 1.6207
Hunter-Lab	63.3496, -17.9919, 30.2817

Details

The XYZ color **32.9595, 40.1317, 15.0259** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **16.4910, 12.6444, 43.1687**, and the grayscale version is **35.0501, 36.8755, 40.1574**.

A 20% lighter version of the original color is **63.9233, 75.6715, 35.6630**, and **14.2076, 18.1741, 4.4282** is the 20% darker color. If you saturate the color by 10%, you get **31.8371, 39.6279, 11.6505**, and if you desaturate by 10%, it is **34.2703, 40.7147, 19.3372**.

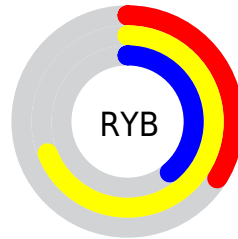
Distribution



Red (65%)

Green (69%)

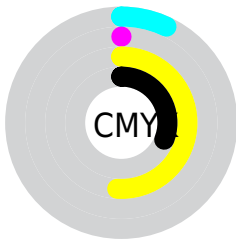
Blue (34%)



Red (34%)

Yellow (69%)

Blue (39%)

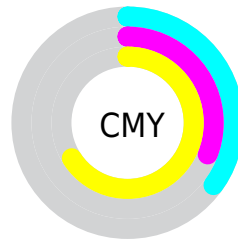


Cyan (7%)

Magenta (0%)

Yellow (51%)

Black (31%)



Cyan (35%)

Magenta (31%)

Yellow (66%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 32.9595, 40.1317, 15.0259 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 32.9595, 40.1317, 15.0259 by changing the saturation by 10% instead.

■ 32.9595, 40.1317,
15.0259

■ 32.9595, 40.1317,
15.0259

307.1354,
346.6784, 235.1691

■ 22.2545, 27.6412,
8.6907

■ 63.6674, 75.3640,
35.6416

■ 14.1617, 18.0554,
4.4460

■ 84.4010, 98.8747,
50.7591

■ 8.3157, 10.9898,
1.8731

■ 109.2082,
126.8275, 69.6413

■ 4.3511, 6.0600,
0.4755

■ 138.4543,
159.6069, 92.7065

■ 1.9026, 2.8816,
0.0000

■ 172.5048,
197.5973, 120.3733

■ 0.5784, 1.0702,
0.0000

211.7249,

■ 0.0000, 0.0000,

241.1831, 153.0604

0.0000

256.4800,
290.7487, 191.1861

■ 32.9595, 40.1317,
15.0259

■ 32.9595, 40.1317,
15.0259

■ 31.8371, 39.6279,
11.6505

■ 34.2703, 40.7147,
19.3372

■ 30.8868, 39.1927,
9.1390

■ 35.7784, 41.3763,
24.6444

■ 30.0946, 38.8217,
7.4131

■ 37.4957, 42.1226,
31.0054

■ 29.4427, 38.5078,
6.3791

■ 39.4323, 42.9576,
38.4729

■ 28.9347, 38.2569,
5.8593

■ 41.5975, 43.8852,
47.0962

■ 44.0002, 44.9089,
56.9215

■ 46.6488, 46.0319,
67.9925

■ 49.5511, 47.2576,
80.3508

■ 52.7147, 48.5889,
94.0360

Harmonies

Analogous

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



40.3265, 40.1317, 13.8181



32.9595, 40.1317, 15.0259



27.7103, 40.1317, 22.3824

Triad

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



32.9595, 40.1317, 15.0259



29.7067, 40.1317, 85.8804



54.6709, 40.1317, 50.1233

Complementary

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



32.9595, 40.1317, 15.0259



16.4910, 12.6444, 43.1687

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.



50.9143, 40.1317, 75.4859



32.9595, 40.1317, 15.0259



36.0416, 40.1317, 100.2060

Square

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



32.9595, 40.1317, 15.0259



26.0150, 40.1317, 61.1973



43.8455, 40.1317, 95.8707



53.5556, 40.1317, 29.8976

Rectangle

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



32.9595, 40.1317, 15.0259



25.7911, 40.1317, 31.7030



43.8455, 40.1317, 95.8707



53.9198, 40.1317, 58.3877

Sweetspot

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



32.9605, 40.1335, 15.0267



69.0395, 76.2521, 62.7536



24.3150, 18.9600, 11.3955



14.8084, 16.4588, 13.0084



84.5950, 89.0005, 96.9216



16.2198, 17.0645, 18.5832

Same Dimension

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



32.9605, 40.1335, 15.0267



56.7969, 70.8689, 20.2483



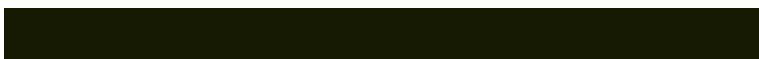
25.1896, 36.1275, 14.6631



9.0834, 9.8481, 9.0746



20.9999, 27.7359, 4.2468



0.6915, 0.8885, 0.1351

Inverse Universe

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



16.4910, 12.6444, 43.1687



24.0333, 16.1135, 76.3388



22.8469, 15.9210, 43.4662



8.1439, 8.2827, 10.6758



6.0466, 2.4529, 30.2918



0.2235, 0.0943, 0.9547

Previews

White Background



This preview shows how the XYZ color 32.9595, 40.1317, 15.0259 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 32.9595, 40.1317, 15.0259 looks on a black 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 ✓ Pass

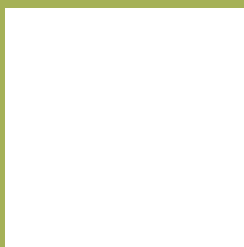
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 32.9595, 40.1317, 15.0259

Background



This preview shows how black text looks on a background with the XYZ color 32.9595, 40.1317, 15.0259.



This preview shows how white text looks on a background with the XYZ color 32.9595, 40.1317,

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

32.9595, 40.1317, 15.0259

Protanopia

36.7535, 40.0967, 14.3967

Deuteranopia

40.8211, 40.0059, 15.4679



Tritanopia

39.7361, 40.0467, 48.8155

Trichromacy



Original Color

32.9595, 40.1317, 15.0259

Protanomaly

35.4457, 40.2623, 14.7073

Deuteranomaly

37.4024, 39.5821, 15.3416

Tritanomaly

36.5458, 39.8591, 32.9615

Monochromacy



Original Color

32.9595, 40.1317, 15.0259

Achromatopsia

34.8123, 36.6253, 39.8849

Achromatomaly

33.6856, 37.6470, 28.4129

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.9595, 40.1317, 15.0259 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(165, 177, 87)` looks like.

```
.text, #text, p{  
    color:rgb(165, 177, 87)  
}
```

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(165, 177, 87) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(165, 177, 87) }
```

Border

The CSS property to change the border of an element to XYZ 32.9595, 40.1317, 15.0259 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(165, 177, 87) }
```


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

```
.border{ border-color:rgb(165, 177, 87) }
```

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

Here you see how a box with a 4 pixel `rgb(165, 177, 87)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(165, 177, 87); -webkit-box-  
shadow:4px 4px 4px 4px rgb(165, 177, 87);  
box-shadow:4px 4px 4px 4px rgb(165, 177,  
87) }
```

Background

The CSS property to change the background color of an element to XYZ 32.9595, 40.1317, 15.0259 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(165, 177, 87) }
```

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

```
.background{ background-color: rgb(165,  
177, 87) }
```

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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