

Converting Colors

XYZ(35.1418, 40.2631, 15.0857)

Have a look what the booklet for
XYZ(35.1418, 40.2631, 15.0857)
contains.

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Color

**XYZ(35.2576, 40.4417,
15.1803)**

Conversions

Conversions Part 1

Format	Color
Hex	B2AE58
RGB	178, 174, 88
RGB Percent	70%, 68%, 35%
CMY	0.3020, 0.3176, 0.6549
CMYK	0.00, 0.02, 0.51, 0.30
HSL	57°, 37%, 52%
HSV	57°, 51%, 70%
XYZ	35.2576, 40.4417, 15.1803
YIQ	165.3920, 29.9900, -25.8980

Conversions

Conversions Part 2

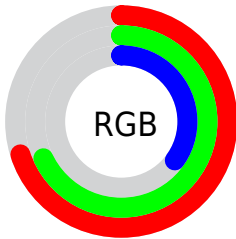
Format	Color
RYB	92, 178, 88
Decimal	11710040
CIELab	69.78, -10.49, 44.20
CIELCh	70, 45.425, 103.358
Yxy	40.4417, 0.3880, 0.4450
Android (android.graphics.Color)	4289900120 (0xFFB2AE58)
YUV	165.3920, -38.1543, 11.0572
Hunter-Lab	63.5938, -12.3254, 30.3627

Details

The XYZ color **35.2576, 40.4417, 15.1803** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **15.8875, 12.9430, 43.7802**, and the grayscale version is **36.1210, 38.0021, 41.3843**.

A 20% lighter version of the original color is **67.0139, 75.5942, 35.8701**, and **15.4778, 18.2700, 4.5444** is the 20% darker color. If you saturate the color by 10%, you get **34.4567, 39.8793, 11.7093**, and if you desaturate by 10%, it is **36.2414, 41.0816, 19.6013**.

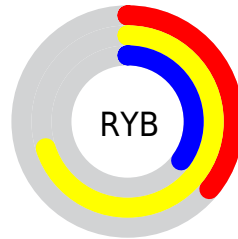
Distribution



Red (70%)

Green (68%)

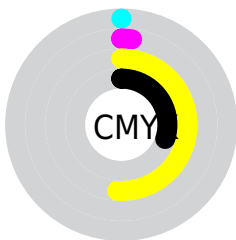
Blue (35%)



Red (36%)

Yellow (70%)

Blue (35%)

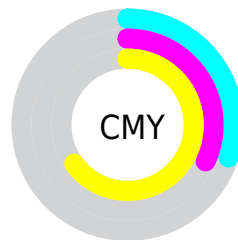


Cyan (0%)

Magenta (2%)

Yellow (51%)

Black (30%)



Cyan (30%)

Magenta (32%)

Yellow (65%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 35.2576, 40.4417, 15.1803 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 35.2576, 40.4417, 15.1803 by changing the saturation by 10% instead.

■ 35.2576, 40.4417,
15.1803

■ 35.2576, 40.4417,
15.1803

317.1920,
347.9818, 236.1332

■ 24.0288, 27.8831,
8.7980

■ 67.2160, 75.8356,
35.9159

■ 15.4799, 18.2376,
4.5146

■ 88.6764, 99.4398,
51.1063

■ 9.2453, 11.1207,
1.9117

■ 114.2780,
127.4946, 70.0699

■ 4.9599, 6.1481,
0.5002

■ 144.3862,
160.3844, 93.2251

■ 2.2583, 2.9353,
0.0000

179.3663,
198.4936, 120.9905

■ 0.7732, 1.0981,
0.0000

219.5838,

■ 0.0000, 0.0000,

242.2066, 153.7846

0.0000

265.4039,
291.9079, 192.0260

■ 35.2576, 40.4417,
15.1803

■ 35.2576, 40.4417,
15.1803

■ 34.4567, 39.8793,
11.7093

■ 36.2414, 41.0816,
19.6013

■ 33.8225, 39.3835,
9.1157

■ 37.4171, 41.7983,
25.0330

■ 33.3406, 38.9501,
7.3202

■ 38.7967, 42.5980,
31.5340

■ 32.9932, 38.5719,
6.2285

■ 40.3904, 43.4848,
39.1576

■ 32.7533, 38.2514,
5.6570

■ 42.2076, 44.4624,
47.9537

■ 44.2571, 45.5344,
57.9691

■ 46.5474, 46.7041,
69.2479

■ 49.0866, 47.9749,
81.8323

■ 51.8821, 49.3496,
95.7624

Harmonies

Analogous

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



42.6402, 40.4417, 15.4781



35.2576, 40.4417, 15.1803



29.5097, 40.4417, 20.6319

Triad

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



35.2576, 40.4417, 15.1803



29.0310, 40.4417, 78.1758



53.6723, 40.4417, 56.7056

Complementary

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



35.2576, 40.4417, 15.1803



15.8875, 12.9430, 43.7802

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.



49.0083, 40.4417, 80.6110



35.2576, 40.4417, 15.1803



34.5225, 40.4417, 95.4680

Square

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



35.2576, 40.4417, 15.1803



26.2371, 40.4417, 54.0888



41.8054, 40.4417, 96.4795



53.9352, 40.4417, 35.3098

Rectangle

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



35.2576, 40.4417, 15.1803



27.1156, 40.4417, 28.2315



41.8054, 40.4417, 96.4795



52.5425, 40.4417, 64.8478

Sweetspot

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



35.2586, 40.4436, 15.1811



71.8384, 78.0816, 64.2541



23.8037, 17.2263, 12.3112



15.7837, 17.2253, 13.6042



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

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



35.2586, 40.4436, 15.1811



62.2948, 72.1770, 20.4330



28.0807, 37.9061, 15.0697



9.1641, 9.8407, 9.0690



23.4480, 27.3945, 4.0518



0.7476, 0.8816, 0.1308

Inverse Universe

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



15.8875, 12.9430, 43.7802



23.0924, 16.5371, 78.3560



20.5034, 14.8224, 43.8996



8.0712, 8.2886, 10.6808



5.8235, 2.4473, 30.3024



0.1932, 0.0969, 0.9568

Previews

White Background



This preview shows how the XYZ color 35.2576, 40.4417, 15.1803 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 35.2576, 40.4417, 15.1803 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

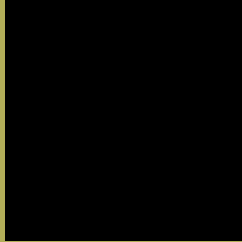
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 35.2576, 40.4417, 15.1803

Background



This preview shows how black text looks on a background with the XYZ color 35.2576, 40.4417, 15.1803.



This preview shows how white text looks on a background with the XYZ color 35.2576, 40.4417,

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

35.2576, 40.4417, 15.1803

Protanopia

37.0222, 40.5053, 14.8838

Deuteranopia

41.1032, 40.1513, 15.4811



Tritanopia

41.7048, 40.2900, 47.1736

Trichromacy



Original Color

35.2576, 40.4417, 15.1803

Protanomaly

36.2400, 40.3835, 14.9016

Deuteranomaly

38.7704, 40.0164, 15.3534

Tritanomaly

38.8806, 40.2399, 32.5059

Monochromacy



Original Color

35.2576, 40.4417, 15.1803

Achromatopsia

35.7637, 37.6262, 40.9749

Achromatomaly

35.0956, 38.3575, 29.2209

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.2576, 40.4417, 15.1803 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(178, 174, 88)` looks like.

```
.text, #text, p{  
    color:rgb(178, 174, 88)  
}
```

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(178, 174, 88) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 174, 88) }
```

Border

The CSS property to change the border of an element to XYZ 35.2576, 40.4417, 15.1803 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(178, 174, 88) }
```


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

```
.border{ border-color:rgb(178, 174, 88) }
```

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

Here you see how a box with a 4 pixel `rgb(178, 174, 88)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 174, 88); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 174, 88);  
box-shadow:4px 4px 4px 4px rgb(178, 174,  
88) }
```

Background

The CSS property to change the background color of an element to XYZ 35.2576, 40.4417, 15.1803 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 174, 88) }
```

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

```
.background{ background-color: rgb(178,  
174, 88) }
```

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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