

Converting Colors

XYZ(35.3502, 41.1018, 20.0688)

Have a look what the booklet for
XYZ(35.3502, 41.1018, 20.0688)
contains.

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Color

**XYZ(35.1924, 40.8829,
19.9463)**

Conversions

Conversions Part 1

Format	Color
Hex	ACB06B
RGB	172, 176, 107
RGB Percent	67%, 69%, 42%
CMY	0.3255, 0.3098, 0.5804
CMYK	0.02, 0.00, 0.39, 0.31
HSL	63°, 30%, 55%
HSV	63°, 39%, 69%
XYZ	35.1924, 40.8829, 19.9463
YIQ	166.9380, 19.7650, -22.3070

Conversions

Conversions Part 2

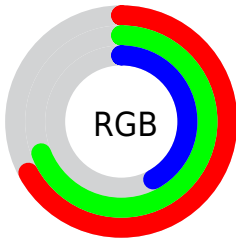
Format	Color
RYB	107, 176, 111
Decimal	11317355
CIELab	70.09, -12.06, 34.85
CIELCh	70, 36.877, 109.083
Yxy	40.8829, 0.3665, 0.4258
Android (android.graphics.Color)	4289507435 (0xFFACB06B)
YUV	166.9380, -29.5494, 4.4394
Hunter-Lab	63.9397, -13.6482, 26.2620

Details

The XYZ color **35.1924, 40.8829, 19.9463** is a light color, and the websafe version is hex **999966**. A complement of this color would be **19.6513, 17.0306, 43.3283**, and the grayscale version is **36.8339, 38.7521, 42.2011**.

A 20% lighter version of the original color is **67.1095, 76.7104, 44.0704**, and **15.4426, 18.5723, 6.7739** is the 20% darker color. If you saturate the color by 10%, you get **34.1362, 40.4361, 15.5456**, and if you desaturate by 10%, it is **36.4409, 41.4097, 25.3414**.

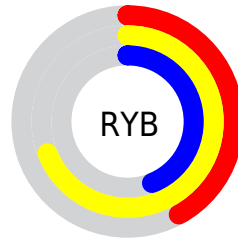
Distribution



Red (67%)

Green (69%)

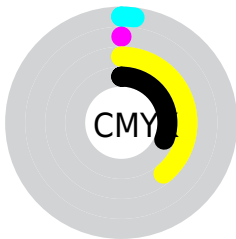
Blue (42%)



Red (42%)

Yellow (69%)

Blue (44%)

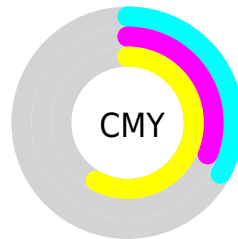


Cyan (2%)

Magenta (0%)

Yellow (39%)

Black (31%)



Cyan (33%)

Magenta (31%)

Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 35.1924, 40.8829, 19.9463 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 35.1924, 40.8829, 19.9463 by changing the saturation by 10% instead.

■ 35.1924, 40.8829,
19.9463

■ 35.1924, 40.8829,
19.9463

316.9099,
349.8310, 264.2189

■ 23.9783, 28.2276,
12.1723

■ 67.1158, 76.5061,
44.1849

■ 15.4422, 18.4973,
6.7372

■ 88.5558, 100.2428,
61.4866

■ 9.2186, 11.3076,
3.2223

■ 114.1352,
128.4421, 82.8014

■ 4.9423, 6.2741,
1.2093

■ 144.2193,
161.4883, 108.5476

■ 2.2479, 3.0125,
0.0000

179.1734,
199.7659, 139.1440

■ 0.7678, 1.1383,
0.0000

219.3630,

■ 0.0000, 0.0104,

243.6593, 175.0089

0.0000

265.1534,
293.5529, 216.5611

■ 0.0000, 0.0000,
0.0000

■ 35.1924, 40.8829,
19.9463

■ 35.1924, 40.8829,
19.9463

■ 34.1362, 40.4361,
15.5456

■ 36.4409, 41.4097,
25.3414

■ 33.2576, 40.0590,
12.0762

■ 37.8891, 42.0152,
31.7840

■ 32.5451, 39.7486,
9.4717

■ 39.5479, 42.7052,
39.3262

■ 31.9839, 39.4989,
7.6559

■ 41.4264, 43.4832,
48.0161

■ 31.5573, 39.3033,
6.5391

■ 43.5331, 44.3526,
57.8989

■ 31.2326, 39.1486,
5.9505

■ 45.8762, 45.3169,
69.0173

■ 31.2079, 39.1367,
5.9093

■ 48.4634, 46.3790,
81.4120

■ 51.3020, 47.5418,
95.1218

■ 52.6779, 48.1198,
101.1194

Harmonies

Analogous

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



41.0935, 40.8829, 19.2389



35.1924, 40.8829, 19.9463



30.7451, 40.8829, 26.1290

Triad

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



35.1924, 40.8829, 19.9463



31.7538, 40.8829, 74.5853



51.3785, 40.8829, 51.0981

Complementary

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



35.1924, 40.8829, 19.9463



19.6513, 17.0306, 43.3283

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.



48.2855, 40.8829, 69.9714



35.1924, 40.8829, 19.9463



36.7051, 40.8829, 85.6830

Square

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



35.1924, 40.8829, 19.9463



28.9063, 40.8829, 56.2658



42.7696, 40.8829, 83.8049



50.8659, 40.8829, 34.5251

Rectangle

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



35.1924, 40.8829, 19.9463



29.0105, 40.8829, 33.6894



42.7696, 40.8829, 83.8049



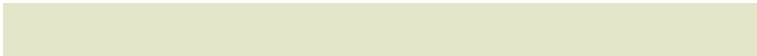
50.7143, 40.8829, 57.4407

Sweetspot

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



35.1934, 40.8848, 19.9472



70.7775, 77.0560, 66.9952



26.1844, 21.5420, 16.6884



15.2551, 16.6645, 14.1381



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.



35.1934, 40.8848, 19.9472



62.1533, 73.4378, 29.1931



28.6703, 37.5220, 19.6419



9.1474, 9.8811, 9.0776



22.9137, 28.7225, 4.3363



0.7356, 0.9113, 0.1371

Inverse Universe

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



19.6513, 17.0306, 43.3283



30.0140, 24.0958, 77.5643



24.7637, 19.6661, 43.5675



8.0861, 8.2529, 10.6731



5.8609, 2.3572, 30.2831



0.1994, 0.0819, 0.9535

Previews

White Background



This preview shows how the XYZ color 35.1924, 40.8829, 19.9463 looks on a white background.

Color Contrast Check

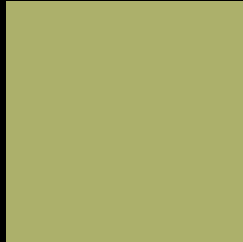
Large Text (above 18pt) WCAG AA × Fail

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 35.1924, 40.8829, 19.9463 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

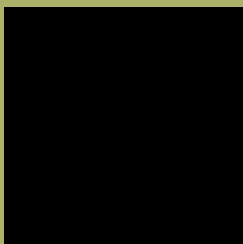
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

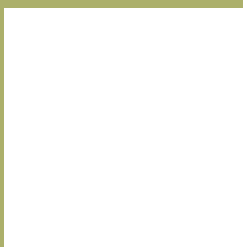
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 35.1924, 40.8829, 19.9463

Background



This preview shows how black text looks on a background with the XYZ color 35.1924, 40.8829, 19.9463.



This preview shows how white text looks on a background with the XYZ color 35.1924, 40.8829,

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

35.1924, 40.8829, 19.9463

Protanopia

37.6062, 40.7105, 19.2405

Deuteranopia

41.5435, 40.7985, 20.4372



Tritanopia

41.1130, 40.7565, 48.8799

Trichromacy



Original Color

35.1924, 40.8829, 19.9463

Protanomaly

36.8365, 40.8728, 19.5834

Deuteranomaly

39.0111, 40.5787, 20.2444

Tritanomaly

38.4846, 40.5143, 35.9287

Monochromacy



Original Color

35.1924, 40.8829, 19.9463

Achromatopsia

36.7301, 38.6429, 42.0822

Achromatomaly

35.8477, 39.2288, 32.4706

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.1924, 40.8829, 19.9463 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(172, 176, 107)` looks like.

```
.text, #text, p{  
    color:rgb(172, 176, 107)  
}
```

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(172, 176, 107) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 176, 107) }
```

Border

The CSS property to change the border of an element to XYZ 35.1924, 40.8829, 19.9463 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(172, 176, 107) }
```


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

```
.border{ border-color:rgb(172, 176, 107) }
```

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

Here you see how a box with a 4 pixel `rgb(172, 176, 107)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 176, 107); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 176, 107);  
box-shadow:4px 4px 4px 4px rgb(172, 176,  
107) }
```

Background

The CSS property to change the background color of an element to XYZ 35.1924, 40.8829, 19.9463 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 176, 107) }
```

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

```
.background{ background-color: rgb(172,  
176, 107) }
```

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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