

Converting Colors

XYZ(24.2700, 35.2471, 19.0439)

Have a look what the booklet for
XYZ(24.2700, 35.2471, 19.0439)
contains.

XYZ(24.3112, 35.2794, 19.1639)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(24.3112, 35.2794,
19.1639)**

Conversions

Conversions Part 1

Format	Color
Hex	6CB06A
RGB	108, 176, 106
RGB Percent	42%, 69%, 42%
CMY	0.5765, 0.3098, 0.5843
CMYK	0.39, 0.00, 0.40, 0.31
HSL	118°, 31%, 55%
HSV	118°, 40%, 69%
XYZ	24.3112, 35.2794, 19.1639
YIQ	147.6880, -18.0580, -36.1860

Conversions

Conversions Part 2

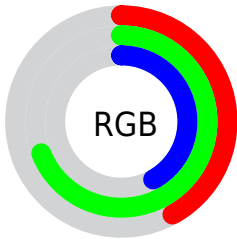
Format	Color
RYB	106, 176, 174
Decimal	7123050
CIELab	65.97, -35.91, 29.24
CIELCh	66, 46.308, 140.848
Yxy	35.2794, 0.3087, 0.4480
Android (android.graphics.Color)	4285313130 (0xFF6CB06A)
YUV	147.6880, -20.5522, -34.8064
Hunter-Lab	59.3965, -30.8831, 22.4480

Details

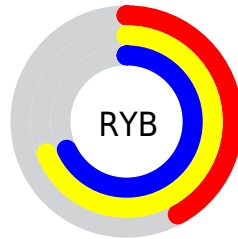
The XYZ color **24.3112, 35.2794, 19.1639** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **30.4476, 22.4423, 43.8032**, and the grayscale version is **28.1073, 29.5711, 32.2029**.

A 20% lighter version of the original color is **49.9285, 67.8632, 42.8152**, and **9.3970, 15.2736, 6.3237** is the 20% darker color. If you saturate the color by 10%, you get **21.6090, 33.9825, 14.7403**, and if you desaturate by 10%, it is **27.6109, 36.8646, 24.5975**.

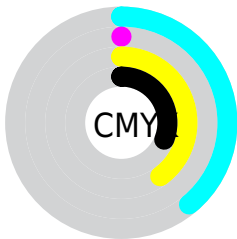
Distribution



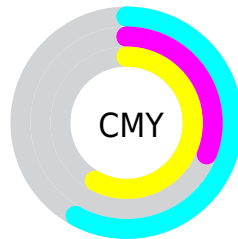
- Red (42%)
- Green (69%)
- Blue (42%)



- Red (42%)
- Yellow (69%)
- Blue (68%)



- Cyan (39%)
- Magenta (0%)
- Yellow (40%)
- Black (31%)



- Cyan (58%)
- Magenta (31%)
- Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 24.3112, 35.2794, 19.1639 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 24.3112, 35.2794, 19.1639 by changing the saturation by 10% instead.

■ 24.3112, 35.2794,
19.1639

■ 24.3112, 35.2794,
19.1639

266.8014,
325.7999, 259.8049

■ 15.6906, 23.8782,
11.6108

■ 49.9885, 67.9184,
42.8513

■ 9.3949, 15.2433,
6.3599

■ 67.7760, 89.9249,
59.8225

■ 5.0588, 8.9903,
2.9928

■ 89.3498, 116.2354,
80.7703

■ 2.3169, 4.7349,
1.0910

■ 115.0753,
147.2341, 106.1130

■ 0.8033, 2.0925,
0.0000

145.3179,
183.3055, 136.2693

■ 0.0000, 0.6604,
0.0000

180.4429,

■ 0.0000, 0.0000,

224.8340, 171.6577

0.0000

220.8156,
272.2040, 212.6967

■ 24.3112, 35.2794,
19.1639

■ 24.3112, 35.2794,
19.1639

■ 21.6090, 33.9825,
14.7403

■ 27.6109, 36.8646,
24.5975

■ 19.4661, 32.9526,
11.2623

■ 31.5379, 38.7493,
31.0955

■ 17.8440, 32.1722,
8.6618


■ 36.1234, 40.9494,
38.7114


■ 16.6984, 31.6203,
6.8605


■ 41.3957, 43.4785,
47.4942


■ 15.9775, 31.2722,
5.7663


■ 47.3814, 46.3491,
57.4901


 15.5960, 31.0879,
5.1900

 54.1056, 49.5735,
68.7427

 15.5889, 31.0845,
5.1783

 61.5925, 53.1631,
81.2936

 69.8648, 57.1288,
95.1824

 74.8160, 59.5320,
102.1553

Harmonies

Analogous

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



29.0549, 35.2794, 12.8274



24.3112, 35.2794, 19.1639



22.1264, 35.2794, 32.7149

Triad

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



24.3112, 35.2794, 19.1639



31.4783, 35.2794, 89.0555



47.4249, 35.2794, 26.4804

Complementary

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



24.3112, 35.2794, 19.1639



30.4476, 22.4423, 43.8032

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.



48.3066, 35.2794, 44.7377



24.3112, 35.2794, 19.1639



38.4469, 35.2794, 85.6120

Square

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



24.3112, 35.2794, 19.1639



25.8771, 35.2794, 75.7680



44.8314, 35.2794, 67.5278



42.5648, 35.2794, 15.9408

Rectangle

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



24.3112, 35.2794, 19.1639



22.1778, 35.2794, 45.9677



44.8314, 35.2794, 67.5278



48.2202, 35.2794, 31.7355

Sweetspot

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



24.3121, 35.2809, 19.1647



63.3734, 73.2390, 66.6487



35.5793, 40.4159, 19.5620



13.5007, 15.7601, 14.0560



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.



24.3121, 35.2809, 19.1647



39.6031, 61.8290, 27.4069



26.1062, 35.9707, 29.8667



8.4107, 9.5013, 9.0432



11.4459, 22.8107, 3.7996



0.3675, 0.7215, 0.1199

Inverse Universe

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



30.4476, 22.4423, 43.8032



52.3253, 35.1859, 78.5290



28.0429, 21.5323, 28.7984



8.8256, 8.6341, 10.7077



18.0769, 8.6548, 30.8548



0.5762, 0.2761, 0.9712

Previews

White Background



This preview shows how the XYZ color 24.3112, 35.2794, 19.1639 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 24.3112, 35.2794, 19.1639 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 24.3112, 35.2794, 19.1639

Background



This preview shows how black text looks on a background with the XYZ color 24.3112, 35.2794, 19.1639.



This preview shows how white text looks on a background with the XYZ color 24.3112, 35.2794,

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

24.3112, 35.2794, 19.1639

Protanopia

32.3266, 35.0604, 17.1201

Deuteranopia

35.4957, 34.8773, 19.9001



Tritanopia

30.1852, 35.1112, 48.9023

Trichromacy



Original Color

24.3112, 35.2794, 19.1639

Protanomaly

28.6122, 34.7158, 17.7632

Deuteranomaly

30.0024, 34.0674, 19.4624

Tritanomaly

27.5436, 34.8645, 35.8497

Monochromacy



Original Color

24.3112, 35.2794, 19.1639

Achromatopsia

28.1479, 29.6138, 32.2495

Achromatomaly

26.1334, 31.1337, 26.8223

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.3112, 35.2794, 19.1639 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(108, 176, 106)` looks like.

```
.text, #text, p{  
    color:rgb(108, 176, 106)  
}
```

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(108, 176, 106) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(108, 176, 106) }
```

Border

The CSS property to change the border of an element to XYZ 24.3112, 35.2794, 19.1639 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(108, 176, 106) }
```


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

```
.border{ border-color:rgb(108, 176, 106) }
```

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

Here you see how a box with a 4 pixel `rgb(108, 176, 106)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(108, 176, 106); -webkit-box-  
shadow:4px 4px 4px 4px rgb(108, 176, 106);  
box-shadow:4px 4px 4px 4px rgb(108, 176,  
106) }
```

Background

The CSS property to change the background color of an element to XYZ 24.3112, 35.2794, 19.1639 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(108, 176, 106) }
```

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

```
.background{ background-color: rgb(108,  
176, 106) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor