

Converting Colors

XYZ(19.4616, 35.3914, 9.6612)

Have a look what the booklet for
XYZ(19.4616, 35.3914, 9.6612)
contains.

XYZ(19.4546, 35.3886, 9.6762)	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(19.4546, 35.3886,
9.6762)**

Conversions

Conversions Part 1

Format	Color
Hex	37B839
RGB	55, 184, 57
RGB Percent	22%, 72%, 22%
CMY	0.7843, 0.2784, 0.7765
CMYK	0.70, 0.00, 0.69, 0.28
HSL	121°, 54%, 47%
HSV	121°, 70%, 72%
XYZ	19.4546, 35.3886, 9.6762
YIQ	130.9510, -36.1170, -66.8450

Conversions

Conversions Part 2

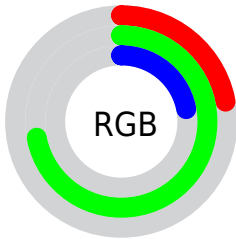
Format	Color
RYB	55, 182, 184
Decimal	3651641
CIELab	66.05, -59.00, 52.22
CIELCh	66, 78.785, 138.490
Yxy	35.3886, 0.3015, 0.5485
Android (android.graphics.Color)	4281841721 (0xFF37B839)
YUV	130.9510, -36.4578, -66.6090
Hunter-Lab	59.4883, -45.7293, 31.9979

Details

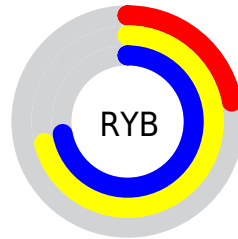
The XYZ color **19.4546, 35.3886, 9.6762** is a dark color, and the websafe version is hex **009900**. A complement of this color would be **29.5778, 16.3007, 45.8439**, and the grayscale version is **21.6922, 22.8218, 24.8530**.

A 20% lighter version of the original color is **42.0155, 68.0295, 25.6684**, and **7.8503, 15.7005, 2.6168** is the 20% darker color. If you saturate the color by 10%, you get **18.2543, 34.8141, 7.6676**, and if you desaturate by 10%, it is **21.1935, 36.2242, 12.5529**.

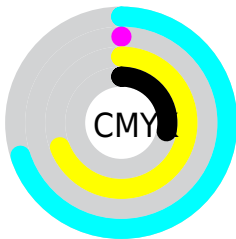
Distribution



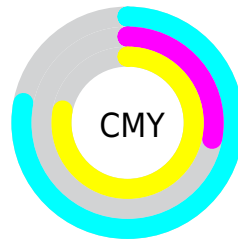
- Red (22%)
- Green (72%)
- Blue (22%)



- Red (22%)
- Yellow (71%)
- Blue (72%)



- Cyan (70%)
- Magenta (0%)
- Yellow (69%)
- Black (28%)



- Cyan (78%)
- Magenta (28%)
- Yellow (78%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.4546, 35.3886, 9.6762 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 19.4546, 35.3886, 9.6762 by changing the saturation by 10% instead.

■ 19.4546, 35.3886,
9.6762

■ 19.4546, 35.3886,
9.6762

241.8373,
326.2803, 198.7453

■ 12.1052, 23.9624,
5.0820

■ 42.0118, 68.0873,
25.7829

■ 6.8881, 15.3057,
2.2359

■ 57.9503, 90.1286,
38.1325

■ 3.4379, 9.0342,
0.6950

■ 77.4826, 116.4771,
53.9042

■ 1.3893, 4.7635,
0.0000

■ 100.9739,
147.5171, 73.5168

■ 0.2486, 2.1092,
0.0000

■ 128.7897,
183.6330, 97.3886

■ 0.0000, 0.6698,
0.0000

■ 161.2953,

■ 0.0000, 0.0000,

225.2092, 125.9383

0.0000

198.8560,
272.6302, 159.5843

■ 19.4546, 35.3886,
9.6762

■ 19.4546, 35.3886,
9.6762

■ 18.2543, 34.8141,
7.6676

■ 21.1935, 36.2242,
12.5529

■ 17.5277, 34.4662,
6.4274

■ 23.5212, 37.3420,
16.3783

■ 17.1568, 34.2886,
5.7961

■ 26.4853, 38.7658,
21.2263

■ 30.1276, 40.5158,
27.1630

■ 34.4863, 42.6105,
34.2491

■ 39.5971, 45.0669,
42.5404

■ 45.4929, 47.9011,
52.0896

■ 52.2051, 51.1280,
62.9458

■ 59.7629, 54.7618,
75.1558

Harmonies

Analogous

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



26.9987, 35.3886, 4.0474



19.4546, 35.3886, 9.6762



16.0673, 35.3886, 27.0608

Triad

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



19.4546, 35.3886, 9.6762



29.3468, 35.3886, 142.3037



59.7755, 35.3886, 21.5092

Complementary

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



19.4546, 35.3886, 9.6762



29.5778, 16.3007, 45.8439

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.



60.8208, 35.3886, 52.8586



19.4546, 35.3886, 9.6762



41.2802, 35.3886, 137.5118

Square

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



19.4546, 35.3886, 9.6762



20.8291, 35.3886, 109.6410



53.4331, 35.3886, 98.8847



50.8416, 35.3886, 7.6336

Rectangle

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



19.4546, 35.3886, 9.6762



15.9419, 35.3886, 48.8395



53.4331, 35.3886, 98.8847



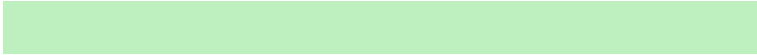
61.1266, 35.3886, 29.7878

Sweetspot

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



19.4554, 35.3901, 9.6770



61.4583, 76.7330, 60.3697



37.5988, 44.7490, 10.2704



12.7645, 16.3091, 12.2269



88.6918, 93.3107, 101.6153



17.8044, 18.7317, 20.3988

Same Dimension

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



19.4554, 35.3901, 9.6770



32.2928, 62.7259, 12.5471



22.0769, 36.4386, 23.4812



8.8959, 10.0623, 9.6090



11.8263, 23.6315, 4.0074



0.4188, 0.8338, 0.1514

Inverse Universe

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



29.5778, 16.3007, 45.8439



51.7618, 25.9712, 82.0801



24.4943, 14.2673, 19.0743



9.3748, 9.1603, 11.3209



19.3843, 9.3275, 30.9744



0.6853, 0.3296, 1.1021

Previews

White Background



This preview shows how the XYZ color 19.4546, 35.3886, 9.6762 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 19.4546, 35.3886, 9.6762 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 19.4546, 35.3886, 9.6762

Background



This preview shows how black text looks on a background with the XYZ color 19.4546, 35.3886, 9.6762.



This preview shows how white text looks on a background with the XYZ color 19.4546, 35.3886,

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

19.4546, 35.3886, 9.6762

Protanopia

31.5066, 34.8369, 8.0812

Deuteranopia

35.1360, 34.4209, 10.2609



Tritanopia

27.8319, 35.2239, 51.7864

Trichromacy



Original Color

19.4546, 35.3886, 9.6762



Protanomaly

24.5034, 33.6195, 8.5659



Deuteranomaly

25.6997, 32.5843, 9.7854



Tritanomaly

23.2461, 34.4925, 29.8586

Monochromacy



Original Color

19.4546, 35.3886, 9.6762



Achromatopsia

21.5731, 22.6966, 24.7166



Achromatomaly

18.9986, 25.6957, 17.0551

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.4546, 35.3886, 9.6762 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(55, 184, 57)` looks like.

```
.text, #text, p{  
    color:rgb(55, 184, 57)  
}
```

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(55, 184, 57) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(55, 184, 57) }
```

Border

The CSS property to change the border of an element to XYZ 19.4546, 35.3886, 9.6762 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(55, 184, 57) }
```


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

```
.border{ border-color:rgb(55, 184, 57) }
```

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

Here you see how a box with a 4 pixel `rgb(55, 184, 57)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(55, 184, 57); -webkit-box-  
shadow:4px 4px 4px 4px rgb(55, 184, 57);  
box-shadow:4px 4px 4px 4px rgb(55, 184,  
57) }
```

Background

The CSS property to change the background color of an element to XYZ 19.4546, 35.3886, 9.6762 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(55, 184, 57) }
```

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

```
.background{ background-color: rgb(55, 184,  
57) }
```

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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