

Converting Colors

XYZ(35.4197, 44.8707, 20.7316)

Have a look what the booklet for
XYZ(35.4197, 44.8707, 20.7316)
contains.

XYZ(35.5494, 45.0338, 20.7287)	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(35.5494, 45.0338,
20.7287)**

Conversions

Conversions Part 1

Format	Color
Hex	A1BD6B
RGB	161, 189, 107
RGB Percent	63%, 74%, 42%
CMY	0.3686, 0.2588, 0.5804
CMYK	0.15, 0.00, 0.43, 0.26
HSL	80°, 38%, 58%
HSV	80°, 43%, 74%
XYZ	35.5494, 45.0338, 20.7287
YIQ	171.2800, 9.6340, -31.4380

Conversions

Conversions Part 2

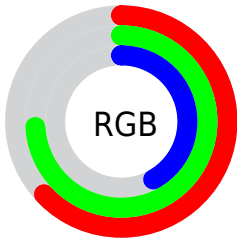
Format	Color
RYB	107, 189, 135
Decimal	10599787
CIELab	72.91, -23.00, 38.25
CIELCh	73, 44.631, 121.024
Yxy	45.0338, 0.3509, 0.4445
Android (android.graphics.Color)	4288789867 (0xFFA1BD6B)
YUV	171.2800, -31.6900, -9.0156
Hunter-Lab	67.1072, -22.8790, 28.6610

Details

The XYZ color **35.5494, 45.0338, 20.7287** is a light color, and the websafe version is hex **99CC66**. A complement of this color would be **24.4365, 19.3417, 50.5920**, and the grayscale version is **39.0015, 41.0326, 44.6846**.

A 20% lighter version of the original color is **67.6128, 82.5946, 45.6365**, and **15.7270, 21.0919, 7.1131** is the 20% darker color. If you saturate the color by 10%, you get **33.3947, 44.0271, 15.9927**, and if you desaturate by 10%, it is **37.9908, 46.1661, 26.6144**.

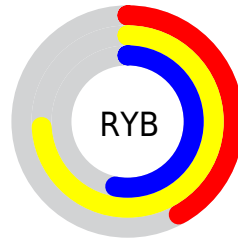
Distribution



Red (63%)

Green (74%)

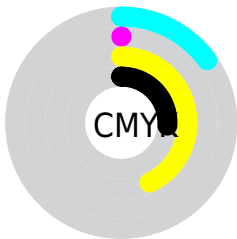
Blue (42%)



Red (42%)

Yellow (74%)

Blue (53%)

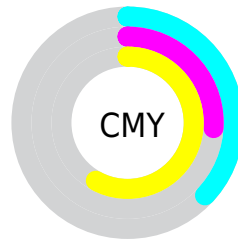


Cyan (15%)

Magenta (0%)

Yellow (43%)

Black (26%)



Cyan (37%)

Magenta (26%)

Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 35.5494, 45.0338, 20.7287 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 35.5494, 45.0338, 20.7287 by changing the saturation by 10% instead.

■ 35.5494, 45.0338,
20.7287

■ 35.5494, 45.0338,
20.7287

318.4524,
366.9104, 268.5667

■ 24.2549, 31.4840,
12.7365

■ 67.6644, 82.7711,
45.5105

■ 15.6486, 20.9677,
7.1188

■ 89.2157, 107.7275,
63.1372

■ 9.3651, 13.1004,
3.4569

■ 114.9165,
137.2549, 84.8125

■ 5.0391, 7.4977,
1.3324

■ 145.1323,
171.7376, 110.9549

■ 2.3052, 3.7753,
0.0881

180.2285,
211.5602, 141.9830

■ 0.7973, 1.5487,
0.0000

220.5703,

■ 0.0000, 0.3226,

257.1069, 178.3153

0.0000

266.5232,
308.7622, 220.3703

■ 0.0000, 0.0000,
0.0000

■ 35.5494, 45.0338,
20.7287

■ 35.5494, 45.0338,
20.7287

■ 33.3947, 44.0271,
15.9927

■ 37.9908, 46.1661,
26.6144

■ 31.5082, 43.1337,
12.3281

■ 40.7296, 47.4237,
33.7156

■ 29.8738, 42.3487,
9.6514


■ 43.7799, 48.8138,
42.0964


■ 28.4721, 41.6641,
7.8655

■ 47.1539, 50.3415,
51.8157


■ 27.2799, 41.0707,
6.8537

■ 50.8627, 52.0114,
62.9286

 26.5771, 40.7164,
6.4583

 54.9174, 53.8279,
75.4872

 59.3281, 55.7952,
89.5409

 63.5840, 57.7091,
102.3955

 65.4897, 58.6915,
102.4846

Harmonies

Analogous

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



42.5365, 45.0338, 17.4693



35.5494, 45.0338, 20.7287



31.0088, 45.0338, 31.0758

Triad

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



35.5494, 45.0338, 20.7287



35.9600, 45.0338, 96.8523



59.5632, 45.0338, 48.2726

Complementary

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



35.5494, 45.0338, 20.7287



24.4365, 19.3417, 50.5920

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.



57.2633, 45.0338, 72.8447



35.5494, 45.0338, 20.7287



43.0711, 45.0338, 105.5277

Square

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



35.5494, 45.0338, 20.7287



31.2249, 45.0338, 74.5847



50.9823, 45.0338, 95.6521



56.9393, 45.0338, 30.1077

Rectangle

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



35.5494, 45.0338, 20.7287



29.6665, 45.0338, 42.6514



50.9823, 45.0338, 95.6521



59.3382, 45.0338, 56.0239

Sweetspot

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



35.5505, 45.0358, 20.7297



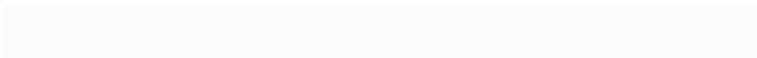
78.5084, 87.4676, 75.6799



32.2130, 29.0243, 17.8150



16.6119, 18.6864, 15.5149



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438

Same Dimension

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



35.5505, 45.0358, 20.7297



60.0081, 78.9430, 29.0602



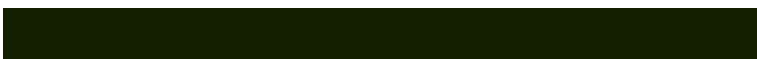
28.6914, 41.4998, 20.4087



9.9972, 10.9530, 10.1639



17.9654, 27.4374, 4.3491



0.7712, 1.1095, 0.1735

Inverse Universe

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



24.4365, 19.3417, 50.5920



37.5643, 26.9953, 89.4570



32.1988, 23.3433, 50.9553



9.3154, 9.3795, 11.9917



7.7011, 3.2561, 32.6155



0.3729, 0.1643, 1.2809

Previews

White Background



This preview shows how the XYZ color 35.5494, 45.0338, 20.7287 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 35.5494, 45.0338, 20.7287 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 35.5494, 45.0338, 20.7287

Background



This preview shows how black text looks on a background with the XYZ color 35.5494, 45.0338, 20.7287.



This preview shows how white text looks on a background with the XYZ color 35.5494, 45.0338,

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

35.5494, 45.0338, 20.7287

Protanopia

41.3332, 44.9552, 19.3307

Deuteranopia

45.7511, 44.8724, 21.2888



Tritanopia

42.7590, 44.8611, 56.8575

Trichromacy



Original Color

35.5494, 45.0338, 20.7287

Protanomaly

38.9606, 44.9337, 19.7163

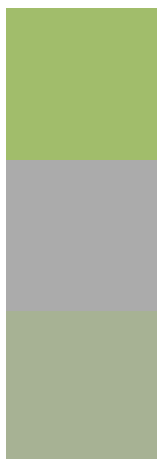
Deuteranomaly

41.4998, 44.7023, 21.1930

Tritanomaly

39.6035, 44.8004, 40.7424

Monochromacy



Original Color

35.5494, 45.0338, 20.7287

Achromatopsia

38.7082, 40.7240, 44.3485

Achromatomaly

37.2020, 42.1944, 34.2005

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.5494, 45.0338, 20.7287 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(161, 189, 107)` looks like.

```
.text, #text, p{  
    color:rgb(161, 189, 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(161, 189, 107) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(161, 189, 107) }
```

Border

The CSS property to change the border of an element to XYZ 35.5494, 45.0338, 20.7287 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(161, 189, 107) }
```


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

```
.border{ border-color:rgb(161, 189, 107) }
```

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

Here you see how a box with a 4 pixel `rgb(161, 189, 107)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(161, 189, 107); -webkit-box-shadow:4px 4px 4px 4px rgb(161, 189, 107); box-shadow:4px 4px 4px 4px rgb(161, 189, 107) }
```

Background

The CSS property to change the background color of an element to XYZ 35.5494, 45.0338, 20.7287 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(161, 189, 107) }
```

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

```
.background{ background-color: rgb(161,  
189, 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](#).

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