

Converting Colors

XYZ(47.0947, 45.5290, 9.2901)

Have a look what the booklet for
XYZ(47.0947, 45.5290, 9.2901)
contains.

XYZ(47.2635, 45.6378, 9.3355)	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(47.2635, 45.6378,
9.3355)**

Conversions

Conversions Part 1

Format	Color
Hex	E5AA32
RGB	229, 170, 50
RGB Percent	90%, 67%, 20%
CMY	0.1020, 0.3333, 0.8039
CMYK	0.00, 0.26, 0.78, 0.10
HSL	40°, 77%, 55%
HSV	40°, 78%, 90%
XYZ	47.2635, 45.6378, 9.3355
YIQ	173.9610, 73.6840, -24.8120

Conversions

Conversions Part 2

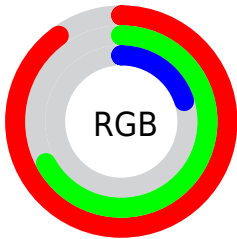
Format	Color
RYB	138, 229, 50
Decimal	15051314
CIELab	73.31, 11.17, 65.79
CIELCh	73, 66.733, 80.365
Yxy	45.6378, 0.4623, 0.4464
Android (android.graphics.Color)	4293241394 (0xFFE5AA32)
YUV	173.9610, -61.1128, 48.2692
Hunter-Lab	67.5558, 6.6600, 39.0958

Details

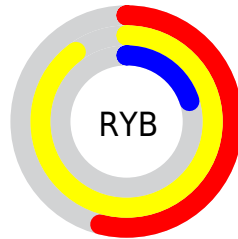
The XYZ color **47.2635, 45.6378, 9.3355** is a light color, and the websafe version is hex **CC9900**. The color can be described as light washed orange. A complement of this color would be **20.9266, 17.2718, 76.3588**, and the grayscale version is **40.4909, 42.5996, 46.3909**.

A 20% lighter version of the original color is **70.7150, 76.1303, 24.3321**, and **22.8406, 21.3919, 2.9252** is the 20% darker color. If you saturate the color by 10%, you get **45.5132, 42.7402, 6.8941**, and if you desaturate by 10%, it is **49.3439, 48.8011, 13.1055**.

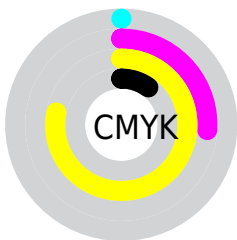
Distribution



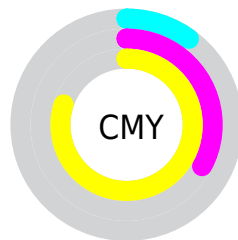
- Red (90%)
- Green (67%)
- Blue (20%)



- Red (54%)
- Yellow (90%)
- Blue (20%)



- Cyan (0%)
- Magenta (26%)
- Yellow (78%)
- Black (10%)





- Cyan (10%)
- Magenta (33%)
- Yellow (80%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 47.2635, 45.6378, 9.3355 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 47.2635, 45.6378, 9.3355 by changing the saturation by 10% instead.


 47.2635, 45.6378,
9.3355


 47.2635, 45.6378,
9.3355


366.4967,
369.3506, 196.1707

 33.4528, 31.9601,
4.8609


 85.3232, 83.6767,
25.1259

 22.6345, 21.3310,
2.1086


 110.3029,
108.8066, 37.2787


 14.4430, 13.3662,
0.6209


 139.7363,
138.5228, 52.8280

 8.5132, 7.6812,
0.0000

 173.9888,
173.2096, 72.1923

 4.4796, 3.8916,
0.0000

 213.4257,
213.2513, 95.7902

 1.9769, 1.6131,
0.0000

 258.4125,

 0.6209, 0.3664,

259.0325, 124.0402

0.0000

309.3143,
310.9374, 157.3608

■ 0.0000, 0.0000,
0.0000

■ 47.2635, 45.6378,
9.3355

■ 47.2635, 45.6378,
9.3355

■ 45.5132, 42.7402,
6.8941

■ 49.3439, 48.8011,
13.1055

■ 44.0425, 40.0805,
5.5357

■ 51.7852, 52.2390,
18.3728

■ 43.7904, 39.6130,
5.3381

■ 54.6171, 55.9673,
25.2838

■ 57.8651, 59.9982,
33.9664

■ 61.5524, 64.3429,
44.5361

■ 65.7001, 69.0118,
57.0983

■ 70.3277, 74.0146,
71.7507

■ 75.4538, 79.3606,
88.5844

■ 80.9175, 84.9873,
106.7471

Harmonies

Analogous

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



59.4172, 45.6378, 14.6953



47.2635, 45.6378, 9.3355



35.9909, 45.6378, 10.3993

Triad

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



47.2635, 45.6378, 9.3355



25.4795, 45.6378, 75.7366



63.1731, 45.6378, 103.3465

Complementary

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



47.2635, 45.6378, 9.3355



20.9266, 17.2718, 76.3588

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.



51.7110, 45.6378, 138.2010



47.2635, 45.6378, 9.3355



30.5200, 45.6378, 117.9009

Square

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



47.2635, 45.6378, 9.3355



24.7213, 45.6378, 39.6443



39.7103, 45.6378, 144.4781



69.6355, 45.6378, 61.3079

Rectangle

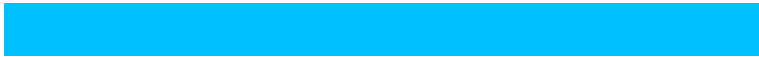
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



47.2635, 45.6378, 9.3355



30.3460, 45.6378, 14.9316



39.7103, 45.6378, 144.4781



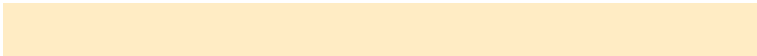
59.6895, 45.6378, 116.9612

Sweetspot

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



47.2645, 45.6401, 9.3364



81.1443, 85.0627, 64.5757



36.2500, 20.0580, 16.6185



16.9649, 17.7493, 12.6112



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



47.2645, 45.6401, 9.3364



56.8538, 52.3463, 7.5705



52.1922, 68.4333, 13.4762



15.1804, 15.9746, 15.1878



25.1520, 22.8781, 3.0903



1.9428, 1.8588, 0.2564

Inverse Universe

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



20.9266, 17.2718, 76.3588



22.2813, 15.3829, 96.4026



18.5780, 9.6370, 75.0090



13.9689, 14.6592, 18.2376



9.6414, 6.3449, 43.0997



0.7950, 0.6340, 3.2124

Previews

White Background



This preview shows how the XYZ color 47.2635, 45.6378, 9.3355 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 47.2635, 45.6378, 9.3355 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 47.2635, 45.6378, 9.3355

Background



This preview shows how black text looks on a background with the XYZ color 47.2635, 45.6378, 9.3355.



This preview shows how white text looks on a background with the XYZ color 47.2635, 45.6378,

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

47.2635, 45.6378, 9.3355

Protanopia

41.5236, 45.8613, 10.0318

Deuteranopia

46.5027, 45.5249, 9.3538



Tritanopia

54.6739, 45.7411, 44.4754

Trichromacy



Original Color

47.2635, 45.6378, 9.3355

Protanomaly

43.4934, 45.6893, 9.7754

Deuteranomaly

46.8172, 45.6870, 9.3686

Tritanomaly

50.8596, 45.2191, 26.1262

Monochromacy



Original Color

47.2635, 45.6378, 9.3355

Achromatopsia

40.2316, 42.3268, 46.0938

Achromatomaly

41.1542, 42.9415, 26.8884

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.2635, 45.6378, 9.3355 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(229, 170, 50)` looks like.

```
.text, #text, p{  
    color:rgb(229, 170, 50)  
}
```

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(229, 170, 50) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 170, 50) }
```

Border

The CSS property to change the border of an element to XYZ 47.2635, 45.6378, 9.3355 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(229, 170, 50) }
```


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

```
.border{ border-color:rgb(229, 170, 50) }
```

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

Here you see how a box with a 4 pixel rgb(229, 170, 50) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(229, 170, 50); -webkit-box-  
shadow:4px 4px 4px 4px rgb(229, 170, 50);  
box-shadow:4px 4px 4px 4px rgb(229, 170,  
50) }
```

Background

The CSS property to change the background color of an element to XYZ 47.2635, 45.6378, 9.3355 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(229, 170, 50) }
```

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

```
.background{ background-color: rgb(229,  
170, 50) }
```

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