

Converting Colors

XYZ(45.2795, 52.6360, 18.3163)

Have a look what the booklet for
XYZ(45.2795, 52.6360, 18.3163)
contains.

XYZ(45.2753, 52.7464, 18.3845)	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(45.2753, 52.7464,
18.3845)**

Conversions

Conversions Part 1

Format	Color
Hex	C6C55E
RGB	198, 197, 94
RGB Percent	78%, 77%, 37%
CMY	0.2235, 0.2274, 0.6314
CMYK	0.00, 0.01, 0.53, 0.22
HSL	59°, 48%, 57%
HSV	59°, 53%, 78%
XYZ	45.2753, 52.7464, 18.3845
YIQ	185.5570, 33.6590, -31.8210

Conversions

Conversions Part 2

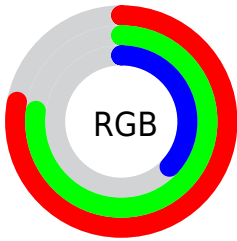
Format	Color
RYB	95, 198, 94
Decimal	13026654
CIELab	77.73, -13.50, 51.05
CIELCh	78, 52.807, 104.808
Yxy	52.7464, 0.3889, 0.4531
Android (android.graphics.Color)	4291216734 (0xFFC6C55E)
YUV	185.5570, -45.1376, 10.9125
Hunter-Lab	72.6267, -15.8203, 35.8302

Details

The XYZ color **45.2753, 52.7464, 18.3845** is a light color, and the websafe version is hex **CCCC66**. The color can be described as light muted yellow. A complement of this color would be **18.9013, 14.6410, 55.2556**, and the grayscale version is **46.6566, 49.0864, 53.4551**.

A 20% lighter version of the original color is **81.9483, 94.2502, 41.4767**, and **21.3957, 25.5629, 5.9969** is the 20% darker color. If you saturate the color by 10%, you get **44.4560, 52.3519, 14.2763**, and if you desaturate by 10%, it is **46.3251, 53.2371, 23.6950**.

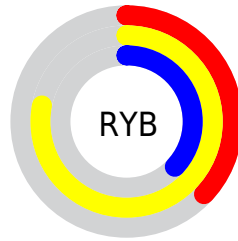
Distribution



Red (78%)

Green (77%)

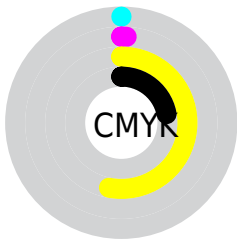
Blue (37%)



Red (37%)

Yellow (78%)

Blue (37%)

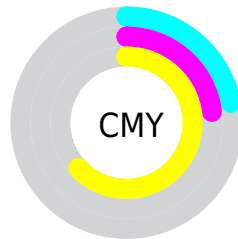


Cyan (0%)

Magenta (1%)

Yellow (53%)

Black (22%)



Cyan (22%)

Magenta (23%)

Yellow (63%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 45.2753, 52.7464, 18.3845 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 45.2753, 52.7464, 18.3845 by changing the saturation by 10% instead.

■ 45.2753, 52.7464,
18.3845

■ 45.2753, 52.7464,
18.3845

358.6524,
397.3114, 255.3379

■ 31.8765, 37.6004,
11.0541

■ 82.3679, 94.2311,
41.5142

■ 21.4223, 25.6727,
5.9886

■ 106.7924,
121.3385, 58.1505

■ 13.5473, 16.5789,
2.7695

■ 135.6229,
153.2019, 78.7259

■ 7.8860, 9.9347,
0.9782

■ 169.2248,
190.2056, 103.6590

■ 4.0733, 5.3557,
0.0000

207.9633,
232.7340, 133.3681

■ 1.7437, 2.4574,
0.0000

252.2038,

■ 0.4834, 0.8552,

281.1715, 168.2720

0.0000

302.3117,
335.9025, 208.7891

■ 0.0000, 0.0000,
0.0000

■ 45.2753, 52.7464,
18.3845

■ 45.2753, 52.7464,
18.3845

■ 44.4560, 52.3519,
14.2763

■ 46.3251, 53.2371,
23.6950

■ 43.8455, 52.0390,
11.2735

■ 47.6175, 53.8230,
30.2885

■ 43.4248, 51.8022,
9.2695

■ 49.1683, 54.5123,
38.2422

■ 43.1694, 51.6315,
8.1352

■ 50.9909, 55.3104,
47.6266

■ 43.0526, 51.5337,
7.6779

■ 53.0976, 56.2222,
58.5071

■ 55.5001, 57.2525,
70.9452

■ 58.2095, 58.4056,
84.9990

■ 61.2362, 59.6857,
100.7233

■ 61.6951, 59.9387,
102.9254

Harmonies

Analogous

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



55.4643, 52.7464, 18.4303



45.2753, 52.7464, 18.3845



37.5162, 52.7464, 26.0315

Triad

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



45.2753, 52.7464, 18.3845



37.4394, 52.7464, 106.9501



71.6003, 52.7464, 73.4862

Complementary

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



45.2753, 52.7464, 18.3845



18.9013, 14.6410, 55.2556

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.



65.3040, 52.7464, 107.3547



45.2753, 52.7464, 18.3845



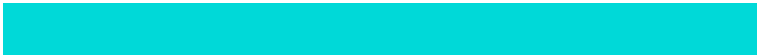
45.1564, 52.7464, 130.7046

Square

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



45.2753, 52.7464, 18.3845



33.4280, 52.7464, 73.0571



55.3282, 52.7464, 130.8738



71.6436, 52.7464, 44.2103

Rectangle

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



45.2753, 52.7464, 18.3845



34.3654, 52.7464, 36.6450



55.3282, 52.7464, 130.8738



70.1107, 52.7464, 84.8859

Sweetspot

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



45.2766, 52.7488, 18.3856



89.0389, 97.3966, 77.8589



29.3907, 20.8513, 13.4784



18.9132, 20.7835, 15.9192



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.



45.2766, 52.7488, 18.3856



78.5481, 92.6184, 24.4094



34.3793, 47.4673, 17.9405



11.5149, 12.3989, 11.3491



28.0022, 33.5216, 4.9944



1.3288, 1.5930, 0.2374

Inverse Universe

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



18.9013, 14.6410, 55.2556



26.8745, 17.9632, 96.6585



25.7444, 18.0366, 55.5503



10.0647, 10.3034, 13.3758



6.6457, 2.6854, 34.9124



0.3176, 0.1330, 1.6541

Previews

White Background



This preview shows how the XYZ color 45.2753, 52.7464, 18.3845 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 45.2753, 52.7464, 18.3845 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

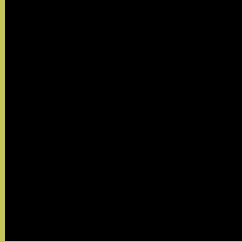
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 45.2753, 52.7464, 18.3845

Background



This preview shows how black text looks on a background with the XYZ color 45.2753, 52.7464, 18.3845.



This preview shows how white text looks on a background with the XYZ color 45.2753, 52.7464,

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

45.2753, 52.7464, 18.3845

Protanopia

48.2220, 52.6181, 17.7400

Deuteranopia

53.7302, 52.5817, 18.8727



Tritanopia

54.0688, 52.4234, 61.9126

Trichromacy



Original Color

45.2753, 52.7464, 18.3845

Protanomaly

47.2800, 52.7838, 18.0523

Deuteranomaly

50.2651, 52.3591, 18.7663

Tritanomaly

49.8075, 51.9475, 41.1200

Monochromacy



Original Color

45.2753, 52.7464, 18.3845

Achromatopsia

46.6715, 49.1021, 53.4722

Achromatomaly

45.3984, 50.0740, 37.4095

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.2753, 52.7464, 18.3845 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(198, 197, 94)` looks like.

```
.text, #text, p{  
    color:rgb(198, 197, 94)  
}
```

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(198, 197, 94) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 197, 94) }
```

Border

The CSS property to change the border of an element to XYZ 45.2753, 52.7464, 18.3845 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(198, 197, 94) }
```


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

```
.border{ border-color:rgb(198, 197, 94) }
```

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

Here you see how a box with a 4 pixel rgb(198, 197, 94) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(198, 197, 94); -webkit-box-  
shadow:4px 4px 4px 4px rgb(198, 197, 94);  
box-shadow:4px 4px 4px 4px rgb(198, 197,  
94) }
```

Background

The CSS property to change the background color of an element to XYZ 45.2753, 52.7464, 18.3845 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 197, 94) }
```

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

```
.background{ background-color: rgb(198,  
197, 94) }
```

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