

Converting Colors

XYZ(45.2393, 53.1724, 21.9185)

Have a look what the booklet for
XYZ(45.2393, 53.1724, 21.9185)
contains.

XYZ(45.3254, 53.3777, 21.8239)	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(45.3254, 53.3777,
21.8239)**

Conversions

Conversions Part 1

Format	Color
Hex	C2C76B
RGB	194, 199, 107
RGB Percent	76%, 78%, 42%
CMY	0.2392, 0.2196, 0.5804
CMYK	0.03, 0.00, 0.46, 0.22
HSL	63°, 45%, 60%
HSV	63°, 46%, 78%
XYZ	45.3254, 53.3777, 21.8239
YIQ	187.0170, 26.5520, -29.6720

Conversions

Conversions Part 2

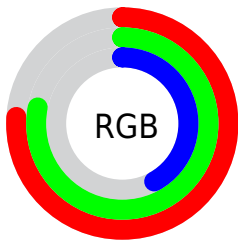
Format	Color
RYB	107, 199, 112
Decimal	12765035
CIELab	78.10, -14.96, 45.19
CIELCh	78, 47.603, 108.314
Yxy	53.3777, 0.3761, 0.4429
Android (android.graphics.Color)	4290955115 (0xFFC2C76B)
YUV	187.0170, -39.4484, 6.1241
Hunter-Lab	73.0600, -17.1162, 33.4314

Details

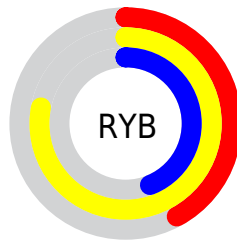
The XYZ color **45.3254, 53.3777, 21.8239** is a light color, and the websafe version is hex **CCCC66**. A complement of this color would be **22.2504, 18.0849, 56.3540**, and the grayscale version is **47.4499, 49.9210, 54.3640**.

A 20% lighter version of the original color is **82.2500, 94.7535, 47.2119**, and **21.4867, 26.0253, 7.6323** is the 20% darker color. If you saturate the color by 10%, you get **44.1203, 52.8656, 16.9174**, and if you desaturate by 10%, it is **46.7761, 53.9921, 28.0017**.

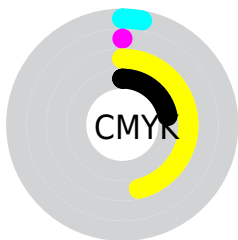
Distribution



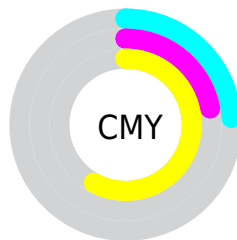
- Red (76%)
- Green (78%)
- Blue (42%)



- Red (42%)
- Yellow (78%)
- Blue (44%)



- Cyan (3%)
- Magenta (0%)
- Yellow (46%)
- Black (22%)



- Cyan (24%)
- Magenta (22%)
- Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 45.3254, 53.3777, 21.8239 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 45.3254, 53.3777, 21.8239 by changing the saturation by 10% instead.

■ 45.3254, 53.3777,
21.8239

■ 45.3254, 53.3777,
21.8239

358.8514,
399.7325, 274.5487

■ 31.9162, 38.1044,
13.5305

■ 82.4426, 95.1599,
47.3532

■ 21.4527, 26.0637,
7.6598

■ 106.8812,
122.4376, 65.4262

■ 13.5697, 16.8713,
3.7934

■ 135.7270,
154.4855, 87.5961

■ 7.9017, 10.1428,
1.5127

■ 169.3454,
191.6881, 114.2815

■ 4.0834, 5.4937,
0.2274

208.1017,
234.4297, 145.9009

■ 1.7494, 2.5398,
0.0000

252.3612,

■ 0.4869, 0.8965,

283.0947, 182.8729

0.0000

302.4893,
338.0675, 225.6160

■ 0.0000, 0.0000,
0.0000

■ 45.3254, 53.3777,
21.8239

■ 45.3254, 53.3777,
21.8239

■ 44.1203, 52.8656,
16.9174

■ 46.7761, 53.9921,
28.0017

■ 43.1402, 52.4418,
13.1905

■ 48.4836, 54.7076,
35.5272

■ 42.3673, 52.1011,
10.5448


■ 50.4632, 55.5321,
44.4750


■ 41.7798, 51.8348,
8.8645


■ 52.7279, 56.4709,
54.9129


■ 41.3496, 51.6317,
8.0019


■ 55.2896, 57.5288,
66.9048

 41.2077, 51.5633,
7.7808

 58.1599, 58.7102,
80.5105

 61.3494, 60.0197,
95.7868

 63.0110, 60.7182,
103.0065

 63.3063, 60.8704,
103.0203

Harmonies

Analogous

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



54.4389, 53.3777, 21.0369



45.3254, 53.3777, 21.8239



38.5288, 53.3777, 30.3031

Triad

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



45.3254, 53.3777, 21.8239



39.7570, 53.3777, 105.3077



70.3144, 53.3777, 69.1099

Complementary

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



45.3254, 53.3777, 21.8239



22.2504, 18.0849, 56.3540

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.



65.2775, 53.3777, 99.2139



45.3254, 53.3777, 21.8239



47.2009, 53.3777, 123.9915

Square

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



45.3254, 53.3777, 21.8239



35.5947, 53.3777, 75.7219



56.5564, 53.3777, 121.4721



69.6521, 53.3777, 43.4807

Rectangle

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



45.3254, 53.3777, 21.8239



35.8794, 53.3777, 41.1902



56.5564, 53.3777, 121.4721



69.2089, 53.3777, 79.1477

Sweetspot

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



45.3267, 53.3801, 21.8250



89.1148, 97.5438, 81.3561



31.9589, 24.7052, 16.9948



18.8981, 20.8052, 16.6078



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.



45.3267, 53.3801, 21.8250



77.3285, 92.5935, 29.9410



35.3645, 48.2444, 21.3588



11.4647, 12.3865, 11.3493



26.5204, 33.1671, 5.0041



1.2736, 1.5796, 0.2378

Inverse Universe

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



22.2504, 18.0849, 56.3540



32.2322, 23.5899, 97.4622



29.5901, 21.8687, 56.6975



10.1092, 10.3146, 13.3756



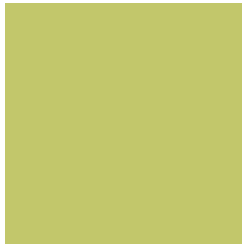
6.7399, 2.7088, 34.9120



0.3382, 0.1381, 1.6540

Previews

White Background



This preview shows how the XYZ color 45.3254, 53.3777, 21.8239 looks on a white background.

Color Contrast Check

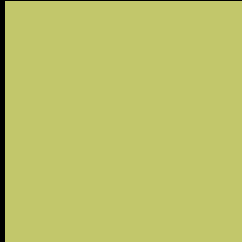
Large Text (above 18pt) WCAG AA × Fail

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 45.3254, 53.3777, 21.8239 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

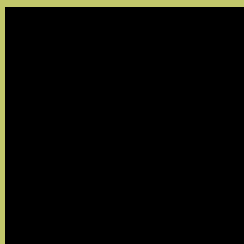
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

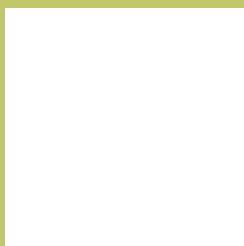
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 45.3254, 53.3777, 21.8239

Background



This preview shows how black text looks on a background with the XYZ color 45.3254, 53.3777, 21.8239.



This preview shows how white text looks on a background with the XYZ color 45.3254, 53.3777,

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

45.3254, 53.3777, 21.8239

Protanopia

48.7711, 53.1569, 21.0544

Deuteranopia

54.2707, 53.0908, 22.4261



Tritanopia

53.9395, 53.2574, 63.9367

Trichromacy



Original Color

45.3254, 53.3777, 21.8239

Protanomaly

47.2935, 53.0500, 21.3827

Deuteranomaly

50.5273, 52.7366, 22.2680

Tritanomaly

50.0049, 52.9439, 44.6294

Monochromacy



Original Color

45.3254, 53.3777, 21.8239

Achromatopsia

47.2335, 49.6933, 54.1160

Achromatomaly

46.0376, 50.6774, 39.7030

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.3254, 53.3777, 21.8239 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(194, 199, 107)` looks like.

```
.text, #text, p{  
    color:rgb(194, 199, 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(194, 199, 107) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(194, 199, 107) }
```

Border

The CSS property to change the border of an element to XYZ 45.3254, 53.3777, 21.8239 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(194, 199, 107) }
```


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

```
.border{ border-color:rgb(194, 199, 107) }
```

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

Here you see how a box with a 4 pixel `rgb(194, 199, 107)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(194, 199, 107); -webkit-box-  
shadow:4px 4px 4px 4px rgb(194, 199, 107);  
box-shadow:4px 4px 4px 4px rgb(194, 199,  
107) }
```

Background

The CSS property to change the background color of an element to XYZ 45.3254, 53.3777, 21.8239 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(194, 199, 107) }
```

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

```
.background{ background-color: rgb(194,  
199, 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