

# Converting Colors

XYZ(43.5672, 54.3299, 28.0271)

Have a look what the booklet for  
XYZ(43.5672, 54.3299, 28.0271)  
contains.

<b>XYZ(43.7287, 54.5161, 27.9566)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(43.7287, 54.5161,  
27.9566)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B1CD7E
RGB	177, 205, 126
RGB Percent	69%, 80%, 49%
CMY	0.3059, 0.1961, 0.5059
CMYK	0.14, 0.00, 0.39, 0.20
HSL	81°, 44%, 65%
HSV	81°, 39%, 80%
XYZ	43.7287, 54.5161, 27.9566
YIQ	187.6220, 8.6710, -30.5050

# Conversions

## Conversions Part 2

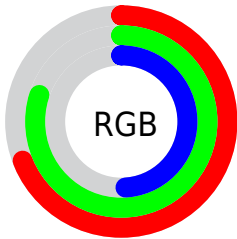
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	126, 205, 154
Decimal	11652478
CIE <sub>Lab</sub>	78.76, -22.46, 36.26
CIE <sub>LCh</sub>	79, 42.658, 121.774
Yxy	54.5161, 0.3465, 0.4320
Android (android.graphics.Color)	4289842558 (0xFFB1CD7E)
YUV	187.6220, -30.3796, -9.3155
Hunter-Lab	73.8350, -23.4949, 29.2352

# Details

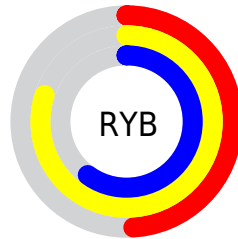
The XYZ color **43.7287, 54.5161, 27.9566** is a light color, and the websafe version is hex **99CC66**. A complement of this color would be **31.8089, 26.2010, 61.1414**, and the grayscale version is **47.7501, 50.2368, 54.7079**.

A 20% lighter version of the original color is **77.9299, 92.3077, 56.8898**, and **20.5050, 26.8522, 10.7589** is the 20% darker color. If you saturate the color by 10%, you get **40.9281, 53.2116, 21.6140**, and if you desaturate by 10%, it is **46.8912, 55.9793, 35.7333**.

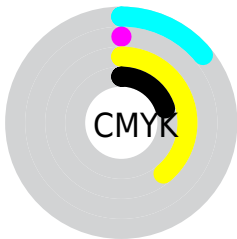
# Distribution



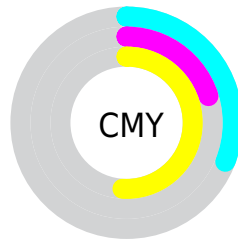
- Red (69%)
- Green (80%)
- Blue (49%)



- Red (49%)
- Yellow (80%)
- Blue (60%)



- Cyan (14%)
- Magenta (0%)
- Yellow (39%)
- Black (20%)



- Cyan (31%)
- Magenta (20%)
- Yellow (51%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 43.7287, 54.5161, 27.9566 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 43.7287, 54.5161, 27.9566 by changing the saturation by 10% instead.



■ 43.7287, 54.5161,  
27.9566

■ 43.7287, 54.5161,  
27.9566

352.4710,  
404.0750, 306.1649

■ 30.6543, 39.0144,  
18.0542

■ 80.0582, 96.8316,  
57.4374

■ 20.4863, 26.7710,  
10.8191

■ 104.0440,  
124.4142, 77.8529

■ 12.8593, 17.4013,  
5.8327

■ 132.3977,  
156.7926, 102.6098

■ 7.4081, 10.5210,  
2.6765

165.4845,  
194.3512, 132.1267

■ 3.7672, 5.7457,  
0.9315

203.6699,  
237.4743, 166.8221

■ 1.5713, 2.6911,  
0.0000

247.3192,

■ 0.3736, 0.9727,

286.5464, 207.1146

0.0000

296.7978,  
341.9518, 253.4227

■ 0.0000, 0.0000,  
0.0000

■ 43.7287, 54.5161,  
27.9566

■ 43.7287, 54.5161,  
27.9566

■ 40.9281, 53.2116,  
21.6140

■ 46.8912, 55.9793,  
35.7333

■ 38.4675, 52.0512,  
16.6141

■ 50.4283, 57.6008,  
45.0210

■ 36.3281, 51.0292,  
12.8605


■ 54.3566, 59.3893,  
55.8954


■ 34.4877, 50.1364,  
10.2425


■ 58.6907, 61.3508,  
68.4258


■ 32.9199, 49.3623,  
8.6299


■ 63.4441, 63.4907,  
82.6778


 31.5849, 48.6906,  
7.8197

 68.6299, 65.8145,  
98.7131

 31.4008, 48.5976,  
7.7253

 71.8358, 67.3575,  
103.8229

 74.1882, 68.5702,  
103.9330

 76.6388, 69.8335,  
104.0477

# Harmonies

## Analogous

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



51.3149, 54.5161, 23.9592



43.7287, 54.5161, 27.9566



38.7876, 54.5161, 39.9729

# Triad

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



43.7287, 54.5161, 27.9566



44.5108, 54.5161, 110.4717



69.7956, 54.5161, 57.9308

# Complementary

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



43.7287, 54.5161, 27.9566



31.8089, 26.2010, 61.1414

# Split Complementary

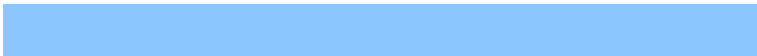
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



67.4767, 54.5161, 84.1753



43.7287, 54.5161, 27.9566



52.3202, 54.5161, 119.0140

# Square

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



43.7287, 54.5161, 27.9566



39.2035, 54.5161, 87.3620



60.8434, 54.5161, 108.3078



66.8791, 54.5161, 38.0876



# Rectangle

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



43.7287, 54.5161, 27.9566



37.3519, 54.5161, 52.9520



60.8434, 54.5161, 108.3078



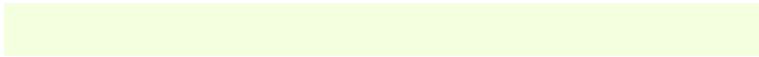
69.6015, 54.5161, 66.2625

# Sweetspot

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



43.7301, 54.5185, 27.9578



86.6302, 96.1840, 84.8052



40.4427, 37.4831, 24.8429



18.3589, 20.5038, 17.6422



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.



43.7301, 54.5185, 27.9578



67.8883, 87.5553, 37.2528



36.0554, 50.5621, 27.5986



11.7530, 12.8901, 11.9480



19.6537, 30.3072, 4.8140



1.0945, 1.6050, 0.2521



# Inverse Universe

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



31.8089, 26.2010, 61.1414



45.7507, 34.9281, 98.9382



40.5129, 30.6881, 61.5488



10.9707, 11.0342, 14.1220



8.6491, 3.6663, 36.2081



0.5282, 0.2314, 1.8718



# Previews

## White Background



This preview shows how the XYZ color 43.7287, 54.5161, 27.9566 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 43.7287, 54.5161, 27.9566 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 43.7287, 54.5161, 27.9566**

## **Background**



This preview shows how black text looks on a background with the XYZ color 43.7287, 54.5161, 27.9566.



This preview shows how white text looks on a background with the XYZ color 43.7287, 54.5161,



# 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

43.7287, 54.5161, 27.9566

### Protanopia

50.1793, 54.4324, 26.2741

### Deuteranopia

55.1924, 54.0532, 28.6434



## Tritanopia

51.8870, 54.3747, 68.7334

# Trichromacy



## Original Color

43.7287, 54.5161, 27.9566

## Protanomaly

47.5518, 54.4190, 26.7366

## Deuteranomaly

50.4730, 53.8710, 28.5068

## Tritanomaly

48.3273, 54.2919, 50.5801

# Monochromacy



## Original Color

43.7287, 54.5161, 27.9566

## Achromatopsia

47.7994, 50.2886, 54.7643

## Achromatomaly

45.8505, 51.4905, 43.1194

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 43.7287, 54.5161, 27.9566 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(177, 205, 126)` looks like.

```
.text, #text, p{  
    color:rgb(177, 205, 126)  
}
```

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(177, 205, 126) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 205, 126) }
```

## Border

The CSS property to change the border of an element to XYZ 43.7287, 54.5161, 27.9566 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(177, 205, 126) }
```



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

```
.border{ border-color:rgb(177, 205, 126) }
```

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

Here you see how a box with a 4 pixel `rgb(177, 205, 126)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(177, 205, 126); -webkit-box-shadow:4px 4px 4px 4px rgb(177, 205, 126); box-shadow:4px 4px 4px 4px rgb(177, 205, 126) }
```

# Background

The CSS property to change the background color of an element to XYZ 43.7287, 54.5161, 27.9566 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(177, 205, 126) }
```

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

```
.background{ background-color: rgb(177,  
205, 126) }
```

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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