

# Converting Colors

XYZ(43.6495, 30.9224, 54.9053)

Have a look what the booklet for  
XYZ(43.6495, 30.9224, 54.9053)  
contains.

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# Color

**XYZ(43.6566, 30.9980,  
54.7212)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D576C2
RGB	213, 118, 194
RGB Percent	84%, 46%, 76%
CMY	0.1647, 0.5372, 0.2392
CMYK	0.00, 0.45, 0.09, 0.16
HSL	312°, 53%, 65%
HSV	312°, 45%, 84%
XYZ	43.6566, 30.9980, 54.7212
YIQ	155.0690, 32.2240, 43.7760

# Conversions

## Conversions Part 2

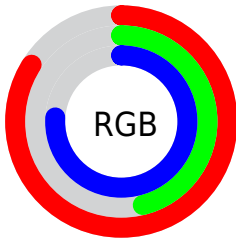
<b>Format</b>	<b>Color</b>
R <sub>YB</sub>	213, 118, 194
Decimal	13989570
CIE Lab	62.51, 47.39, -23.66
CIE LCh	63, 52.969, 333.474
Yxy	30.9980, 0.3374, 0.2396
Android (android.graphics.Color)	4292179650 (0xFFD576C2)
YUV	155.0690, 19.1930, 50.8055
Hunter-Lab	55.6758, 42.5329, -19.3003

# Details

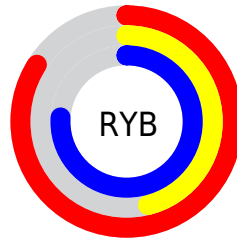
The XYZ color **43.6566, 30.9980, 54.7212** is a light color, and the websafe version is hex **CC66CC**. A complement of this color would be **35.7822, 53.2472, 32.0608**, and the grayscale version is **31.0949, 32.7143, 35.6258**.

A 20% lighter version of the original color is **73.4051, 57.7301, 98.5409**, and **20.3342, 12.7420, 26.1987** is the 20% darker color. If you saturate the color by 10%, you get **40.9543, 26.3476, 51.4937**, and if you desaturate by 10%, it is **46.9409, 36.7893, 58.2110**.

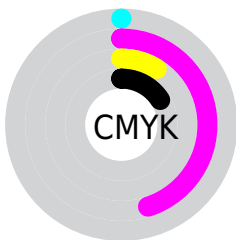
# Distribution



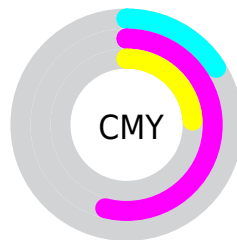
- Red (84%)
- Green (46%)
- Blue (76%)



- Red (84%)
- Yellow (46%)
- Blue (76%)



- Cyan (0%)
- Magenta (45%)
- Yellow (9%)
- Black (16%)




- Cyan (16%)
- Magenta (54%)
- Yellow (24%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 43.6566, 30.9980, 54.7212 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 43.6566, 30.9980, 54.7212 by changing the saturation by 10% instead.





 43.6566, 30.9980,  
54.7212


 43.6566, 30.9980,  
54.7212

352.1810,  
306.5291, 422.1064


 30.5974, 20.5973,  
38.7815


 79.9503, 61.2369,  
98.5994

 20.4428, 12.8300,  
26.2832


 103.9155, 81.8440,  
127.3749

 12.8274, 7.3116,  
16.8080


 132.2468,  
106.6219, 161.2662

 7.3860, 3.6577,  
9.9372

165.3094,  
135.9552, 200.6916

 3.7531, 1.4840,  
5.2523

203.4688,  
170.2281, 246.0698

 1.5634, 0.2774,  
2.3347

247.0903,

 0.3684, 0.0000,

209.8252, 297.8193

0.7506

296.5393,  
255.1307, 356.3586

■ 0.0000, 0.0000,  
0.0000

■ 43.6566, 30.9980,  
54.7212

■ 43.6566, 30.9980,  
54.7212

■ 40.9543, 26.3476,  
51.4937

■ 46.9409, 36.7893,  
58.2110

■ 38.7922, 22.7566,  
48.5130

■ 50.8394, 43.7873,  
61.9735

■ 37.1280, 20.1396,  
45.7649

■ 55.3852, 52.0578,  
66.0206

■ 35.9111, 18.3959,  
43.2319

■ 60.6085, 61.6605,  
70.3628

■ 35.0802, 17.4029,  
40.8930

■ 66.5372, 72.6516,  
75.0100

■ 34.7343, 17.0637,  
39.6910

■ 73.1979, 85.0838,  
79.9715

■ 76.6314, 91.0385,  
83.9282

■ 77.2160, 91.2723,  
87.0068

■ 77.8152, 91.5120,  
90.1621

# Harmonies

## Analogous

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



37.7716, 30.9980, 78.7669



43.6566, 30.9980, 54.7212



45.5431, 30.9980, 31.4071

# Triad

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



43.6566, 30.9980, 54.7212



28.6323, 30.9980, 7.6378



19.3631, 30.9980, 60.6632

# Complementary

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



43.6566, 30.9980, 54.7212



35.7822, 53.2472, 32.0608

# 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.



17.6978, 30.9980, 36.2098



43.6566, 30.9980, 54.7212



22.4714, 30.9980, 10.3145

# Square

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



43.6566, 30.9980, 54.7212



36.0838, 30.9980, 9.2631



18.7363, 30.9980, 18.9677



23.7054, 30.9980, 83.0670



# Rectangle

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



43.6566, 30.9980, 54.7212



44.0627, 30.9980, 20.3005



18.7363, 30.9980, 18.9677



18.5069, 30.9980, 52.1233

# Sweetspot

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



43.6576, 30.9994, 54.7218



84.3221, 80.2232, 100.1482



28.8066, 23.0809, 65.8883



17.6967, 16.5274, 21.1343



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.



43.6576, 30.9994, 54.7218



61.5648, 39.6240, 77.4085



39.1475, 29.1954, 30.9721



12.8416, 12.5881, 15.1062



21.2542, 10.4380, 24.4405



1.3096, 0.6406, 1.6199



# Inverse Universe

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



43.6576, 30.9994, 54.7218



61.5648, 39.6240, 77.4085



39.9709, 54.9227, 54.1184



12.8416, 12.5881, 15.1062



21.2542, 10.4380, 24.4405



1.3096, 0.6406, 1.6199



# Previews

## White Background



This preview shows how the XYZ color 43.6566, 30.9980, 54.7212 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

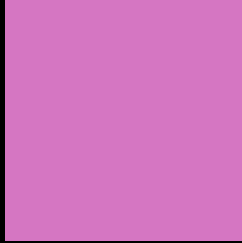
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 43.6566, 30.9980, 54.7212 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

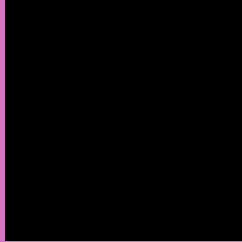
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 43.6566, 30.9980, 54.7212**

## **Background**



This preview shows how black text looks on a background with the XYZ color 43.6566, 30.9980, 54.7212.



This preview shows how white text looks on a background with the XYZ color 43.6566, 30.9980,



# 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

43.6566, 30.9980, 54.7212

### Protanopia

32.6083, 31.3027, 70.6530

### Deuteranopia

31.9654, 31.3721, 52.5148



## Tritanopia

38.3750, 31.0947, 28.4054

# Trichromacy



## Original Color

43.6566, 30.9980, 54.7212



## Protanomaly

35.0943, 30.2540, 64.3115



## Deuteranomaly

35.2870, 30.5965, 53.3361



## Tritanomaly

40.0134, 30.9802, 36.6717

# Monochromacy



## Original Color

43.6566, 30.9980, 54.7212



## Achromatopsia

31.1553, 32.7778, 35.6950



## Achromatomaly

34.7389, 31.4407, 41.7738

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 43.6566, 30.9980, 54.7212 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(213, 118, 194)` looks like.

```
.text, #text, p{  
    color:rgb(213, 118, 194)  
}
```

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(213, 118, 194) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(213, 118, 194) }
```

## Border

The CSS property to change the border of an element to XYZ 43.6566, 30.9980, 54.7212 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(213, 118, 194) }
```



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

```
.border{ border-color:rgb(213, 118, 194) }
```

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

Here you see how a box with a 4 pixel `rgb(213, 118, 194)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(213, 118, 194); -webkit-box-  
shadow:4px 4px 4px 4px rgb(213, 118, 194);  
box-shadow:4px 4px 4px 4px rgb(213, 118,  
194) }
```

# Background

The CSS property to change the background color of an element to XYZ 43.6566, 30.9980, 54.7212 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(213, 118, 194) }
```

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

```
.background{ background-color: rgb(213,  
118, 194) }
```

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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