

# Converting Colors

XYZ(45.5279, 29.5229, 55.3843)

Have a look what the booklet for  
XYZ(45.5279, 29.5229, 55.3843)  
contains.

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# Color

**XYZ(45.5545, 29.5333,  
55.5241)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	E067C4
RGB	224, 103, 196
RGB Percent	88%, 40%, 77%
CMY	0.1216, 0.5961, 0.2314
CMYK	0.00, 0.54, 0.13, 0.12
HSL	314°, 66%, 64%
HSV	314°, 54%, 88%
XYZ	45.5545, 29.5333, 55.5241
YIQ	149.7810, 42.2630, 54.5750

# Conversions

## Conversions Part 2

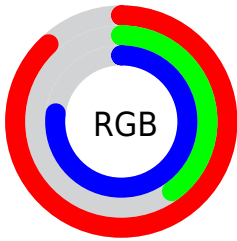
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">224, 103, 196</a>
Decimal	<a href="#">14706628</a>
CIELab	<a href="#">61.25, 58.32, -26.60</a>
CIElCh	<a href="#">61, 64.099, 335.485</a>
Yxy	<a href="#">29.5333, 0.3488, 0.2261</a>
Android (android.graphics.Color)	<a href="#">4292896708 (0xFFE067C4)</a>
YUV	<a href="#">149.7810, 22.7860, 65.0901</a>
Hunter-Lab	<a href="#">54.3445, 54.5253, -22.5357</a>

# Details

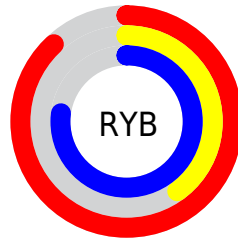
The XYZ color **45.5545, 29.5333, 55.5241** is a light color, and the websafe version is hex **CC66CC**. A complement of this color would be **36.3473, 57.8345, 30.7225**, and the grayscale version is **28.7918, 30.2912, 32.9871**.

A 20% lighter version of the original color is **71.3678, 53.1481, 99.4256**, and **21.5854, 12.0140, 26.7724** is the 20% darker color. If you saturate the color by 10%, you get **43.0378, 25.4274, 51.8243**, and if you desaturate by 10%, it is **48.6902, 34.8435, 59.5314**.

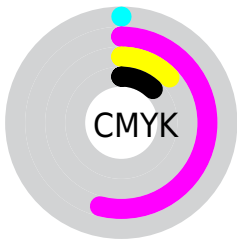
# Distribution



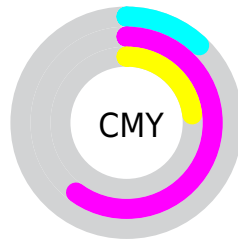
- Red (88%)
- Green (40%)
- Blue (77%)



- Red (88%)
- Yellow (40%)
- Blue (77%)



- Cyan (0%)
- Magenta (54%)
- Yellow (13%)
- Black (12%)




- Cyan (12%)
- Magenta (60%)
- Yellow (23%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 45.5545, 29.5333, 55.5241 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 45.5545, 29.5333, 55.5241 by changing the saturation by 10% instead.





 45.5545, 29.5333,  
55.5241


 45.5545, 29.5333,  
55.5241

359.7607,  
299.7230, 425.2334


 32.0975, 19.4846,  
39.4201


 82.7838, 58.9233,  
99.7873


 21.5919, 12.0210,  
26.7763


 107.2869, 79.0335,  
128.7835

 13.6723, 6.7580,  
17.1744

 136.2028,  
103.2662, 162.9141

 7.9733, 3.3112,  
10.1956

 169.8967,  
132.0060, 202.5978

 4.1295, 1.2963,  
5.4215

208.7341,  
165.6371, 248.2530

 1.7757, 0.1383,  
2.4336

253.0804,

 0.5029, 0.0000,

204.5441, 300.2983

0.8047

303.3008,  
249.1112, 359.1523

■ 0.0000, 0.0000,  
0.0000

■ 45.5545, 29.5333,  
55.5241

■ 45.5545, 29.5333,  
55.5241

■ 43.0378, 25.4274,  
51.8243

■ 48.6902, 34.8435,  
59.5314

■ 41.0881, 22.4239,  
48.4129

■ 52.4856, 41.4407,  
63.8598

■ 39.6498, 20.4111,  
45.2704

■ 56.9814, 49.4052,  
68.5243

■ 38.6539, 19.2513,  
42.3730

■ 62.2138, 58.8096,  
73.5379

■ 38.2028, 18.8323,  
40.7335

■ 68.2168, 69.7213,  
78.9127

■ 75.0222, 82.2033,  
84.6604

■ 81.1070, 93.2099,  
90.2743

■ 81.8556, 93.5094,  
94.2166

■ 82.6262, 93.8176,  
98.2743

# Harmonies

## Analogous

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



38.5716, 29.5333, 86.7111



45.5545, 29.5333, 55.5241



47.4972, 29.5333, 27.9201

# Triad

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



45.5545, 29.5333, 55.5241



26.5494, 29.5333, 4.5461



16.8313, 29.5333, 67.3375

# Complementary

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



45.5545, 29.5333, 55.5241



36.3473, 57.8345, 30.7225

# 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.



14.8283, 29.5333, 36.8016



45.5545, 29.5333, 55.5241



19.6726, 29.5333, 7.2318

# Square

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



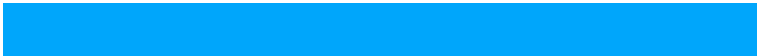
45.5545, 29.5333, 55.5241



35.3487, 29.5333, 5.7117



15.7534, 29.5333, 16.4833



21.8670, 29.5333, 95.5955



# Rectangle

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



45.5545, 29.5333, 55.5241



45.3946, 29.5333, 16.0314



15.7534, 29.5333, 16.4833



15.8324, 29.5333, 56.5553

# Sweetspot

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



45.5555, 29.5347, 55.5247



81.9040, 76.0812, 97.2020



27.3925, 19.7681, 72.8934



17.2110, 15.7083, 20.5028



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.



45.5555, 29.5347, 55.5247



57.3112, 33.4376, 68.8358



40.1276, 27.3636, 26.9421



14.1522, 13.8785, 16.5718



22.2827, 10.9801, 23.9525



1.5779, 0.7744, 1.8362



# Inverse Universe

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



45.5555, 29.5347, 55.5247



57.3112, 33.4376, 68.8358



41.5137, 59.9011, 57.9284



14.1522, 13.8785, 16.5718



22.2827, 10.9801, 23.9525

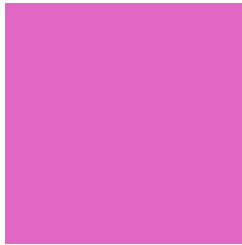


1.5779, 0.7744, 1.8362



# Previews

## White Background



This preview shows how the XYZ color 45.5545, 29.5333, 55.5241 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

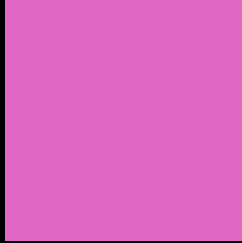
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 45.5545, 29.5333, 55.5241 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

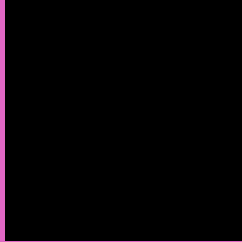
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**XYZ 45.5545, 29.5333, 55.5241**

## **Background**



This preview shows how black text looks on a background with the XYZ color 45.5545, 29.5333, 55.5241.



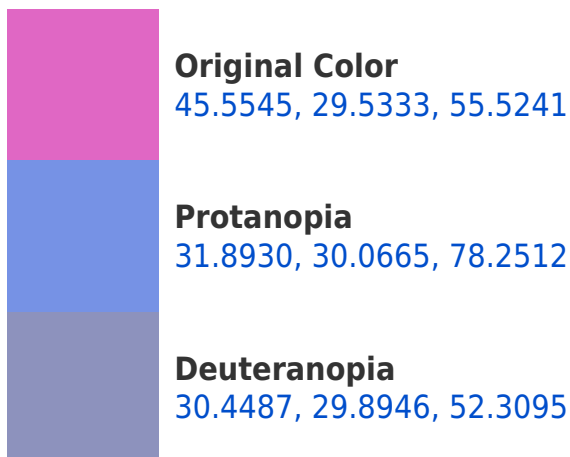
This preview shows how white text looks on a background with the XYZ color 45.5545, 29.5333,



# 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





## Tritanopia

39.1084, 29.5039, 24.0557

# Trichromacy



## Original Color

45.5545, 29.5333, 55.5241



## Protanomaly

34.4116, 28.1431, 69.2641



## Deuteranomaly

34.2916, 28.4290, 53.5491



## Tritanomaly

41.1701, 29.3258, 33.6275

# Monochromacy



## Original Color

45.5545, 29.5333, 55.5241



## Achromatopsia

28.9890, 30.4987, 33.2131



## Achromatomaly

33.4940, 28.9122, 40.3745

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 45.5545, 29.5333, 55.5241 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(224, 103, 196)` looks like.

```
.text, #text, p{  
    color:rgb(224, 103, 196)  
}
```

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(224, 103, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 103, 196) }
```

## Border

The CSS property to change the border of an element to XYZ 45.5545, 29.5333, 55.5241 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(224, 103, 196) }
```



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

```
.border{ border-color:rgb(224, 103, 196) }
```

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

Here you see how a box with a 4 pixel `rgb(224, 103, 196)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 103, 196); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 103, 196);  
box-shadow:4px 4px 4px 4px rgb(224, 103,  
196) }
```

# Background

The CSS property to change the background color of an element to XYZ 45.5545, 29.5333, 55.5241 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(224, 103, 196) }
```

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

```
.background{ background-color: rgb(224,  
103, 196) }
```

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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