

# Converting Colors

XYZ(42.6352, 30.6433, 23.9263)

Have a look what the booklet for  
XYZ(42.6352, 30.6433, 23.9263)  
contains.

<b>XYZ(42.6601, 30.6430, 24.0883)</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(42.6601, 30.6430,  
24.0883)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	E67380
RGB	230, 115, 128
RGB Percent	90%, 45%, 50%
CMY	0.0980, 0.5490, 0.4980
CMYK	0.00, 0.50, 0.44, 0.10
HSL	353°, 70%, 68%
HSV	353°, 50%, 90%
XYZ	42.6601, 30.6430, 24.0883
YIQ	150.8670, 64.3670, 28.4230

# Conversions

## Conversions Part 2

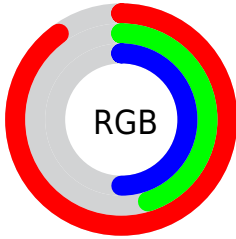
Format	Color
R <sub>Y</sub> B	230, 115, 128
Decimal	15102848
CIE Lab	62.21, 45.73, 13.88
CIE LCh	62, 47.790, 16.878
Yxy	30.6430, 0.4380, 0.3146
Android (android.graphics.Color)	4293292928 (0xFFE67380)
YUV	150.8670, -11.2734, 69.3996
Hunter-Lab	55.3561, 40.6875, 12.9491

# Details

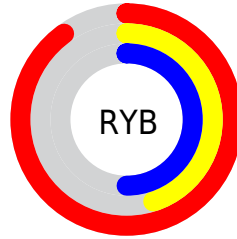
The XYZ color **42.6601, 30.6430, 24.0883** is a light color, and the websafe version is hex **CC6666**. A complement of this color would be **47.8931, 65.2488, 75.7199**, and the grayscale version is **29.3869, 30.9173, 33.6690**.

A 20% lighter version of the original color is **63.7685, 52.9721, 50.5797**, and **19.9285, 12.6677, 8.7919** is the 20% darker color. If you saturate the color by 10%, you get **39.1463, 25.5527, 16.9448**, and if you desaturate by 10%, it is **47.0997, 37.1528, 32.8728**.

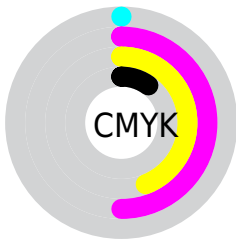
# Distribution



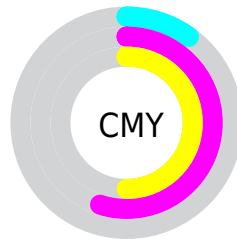
- Red (90%)
- Green (45%)
- Blue (50%)



- Red (90%)
- Yellow (45%)
- Blue (50%)



- Cyan (0%)
- Magenta (50%)
- Yellow (44%)
- Black (10%)




- Cyan (10%)
- Magenta (55%)
- Yellow (50%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 42.6601, 30.6430, 24.0883 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 42.6601, 30.6430, 24.0883 by changing the saturation by 10% instead.





 42.6601, 30.6430,  
24.0883


 42.6601, 30.6430,  
24.0883

348.1573,  
304.8902, 286.5675


 29.8119, 20.3272,  
15.1863


 78.4566, 60.6776,  
51.1199

 19.8432, 12.6331,  
8.8022


 102.1356, 81.1651,  
70.0866

 12.3887, 7.1764,  
4.5173

 130.1556,  
105.8119, 93.2453

 7.0831, 3.5726,  
1.9132

162.8818,  
135.0025, 121.0145

 3.5609, 1.4375,  
0.5011

200.6798,  
169.1213, 153.8128

 1.4569, 0.2441,  
0.0000

243.9148,

 0.2962, 0.0000,

208.5525, 192.0587

0.0000

292.9522,  
253.6807, 236.1708

■ 0.0000, 0.0000,  
0.0000

■ 42.6601, 30.6430,  
24.0883

■ 42.6601, 30.6430,  
24.0883

■ 39.1463, 25.5527,  
16.9448

■ 47.0997, 37.1528,  
32.8728

■ 36.4900, 21.7714,  
11.3385

■ 52.5221, 45.1724,  
43.3901

■ 34.6173, 19.1803,  
7.1560


■ 58.9825, 54.7899,  
55.7271


■ 33.4405, 17.6364,  
4.2676


■ 66.5313, 66.0855,  
69.9644

■ 32.8195, 16.8976,  
2.5088

■ 75.2156, 79.1340,  
86.1776

 32.8193, 16.8975,  
2.5084

 85.0798, 94.0056,  
104.4384

 86.4430, 95.5629,  
108.4972

# Harmonies

## Analogous

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



42.9317, 30.6430, 42.0845



42.6601, 30.6430, 24.0883



38.4399, 30.6430, 13.5916

# Triad

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



42.6601, 30.6430, 24.0883



20.9869, 30.6430, 14.5154



26.4025, 30.6430, 81.2141

# Complementary

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



42.6601, 30.6430, 24.0883



47.8931, 65.2488, 75.7199

# 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.



21.4518, 30.6430, 66.5364



42.6601, 30.6430, 24.0883



18.6502, 30.6430, 25.9416

# Square

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



42.6601, 30.6430, 24.0883



25.6747, 30.6430, 9.6287



18.8068, 30.6430, 44.7617



32.8719, 30.6430, 80.1298



# Rectangle

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



42.6601, 30.6430, 24.0883



34.2655, 30.6430, 10.2175



18.8068, 30.6430, 44.7617



24.5266, 30.6430, 77.7830

# Sweetspot

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



42.6609, 30.6446, 24.0889



79.0492, 75.9812, 78.9564



48.9061, 32.6643, 78.5898



16.4943, 15.6268, 16.0964



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.



42.6609, 30.6446, 24.0889



49.3385, 32.1016, 21.1394



48.1411, 42.8873, 21.9626



14.4429, 14.3943, 15.2666



18.6028, 9.5753, 1.5375



1.3968, 0.7164, 0.2301



# Inverse Universe

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



42.6609, 30.6446, 24.0889



49.3385, 32.1016, 21.1394



38.8959, 44.4423, 81.3908



14.4429, 14.3943, 15.2666



18.6028, 9.5753, 1.5375



1.3968, 0.7164, 0.2301



# Previews

## White Background



This preview shows how the XYZ color 42.6601, 30.6430, 24.0883 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

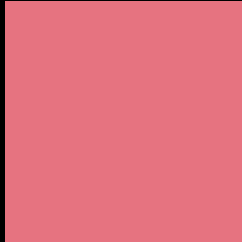
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 42.6601, 30.6430, 24.0883 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 42.6601, 30.6430, 24.0883**

## **Background**



This preview shows how black text looks on a background with the XYZ color 42.6601, 30.6430, 24.0883.



This preview shows how white text looks on a background with the XYZ color 42.6601, 30.6430,



# 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

42.6601, 30.6430, 24.0883

### Protanopia

29.6122, 30.8566, 31.5893

### Deuteranopia

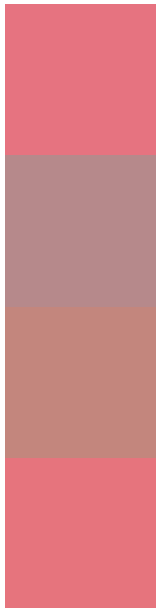
31.3797, 30.7948, 23.0290



## Tritanopia

42.5166, 30.7690, 22.7669

# Trichromacy



## Original Color

42.6601, 30.6430, 24.0883

## Protanomaly

32.8973, 29.7005, 28.4250

## Deuteranomaly

34.7324, 30.1330, 23.3877

## Tritanomaly

42.5802, 30.7944, 23.1017

# Monochromacy



## Original Color

42.6601, 30.6430, 24.0883

## Achromatopsia

29.4150, 30.9469, 33.7012

## Achromatomaly

32.8688, 29.8634, 30.0184

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 42.6601, 30.6430, 24.0883 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(230, 115, 128)` looks like.

```
.text, #text, p{  
    color:rgb(230, 115, 128)  
}
```

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(230, 115, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 115, 128) }
```

## Border

The CSS property to change the border of an element to XYZ 42.6601, 30.6430, 24.0883 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(230, 115, 128) }
```



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

```
.border{ border-color:rgb(230, 115, 128) }
```

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

Here you see how a box with a 4 pixel rgb(230, 115, 128) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(230, 115, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(230, 115, 128);  
box-shadow:4px 4px 4px 4px rgb(230, 115,  
128) }
```

# Background

The CSS property to change the background color of an element to XYZ 42.6601, 30.6430, 24.0883 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(230, 115, 128) }
```

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

```
.background{ background-color: rgb(230,  
115, 128) }
```

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