

# Converting Colors

XYZ(29.5636, 43.2089, 25.3167)

Have a look what the booklet for  
XYZ(29.5636, 43.2089, 25.3167)  
contains.

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# Color

**XYZ(29.5222, 43.1225,  
25.1798)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	72C17A
RGB	114, 193, 122
RGB Percent	45%, 76%, 48%
CMY	0.5529, 0.2431, 0.5216
CMYK	0.41, 0.00, 0.37, 0.24
HSL	126°, 39%, 60%
HSV	126°, 41%, 76%
XYZ	29.5222, 43.1225, 25.1798
YIQ	161.2850, -24.2930, -38.8290

# Conversions

## Conversions Part 2

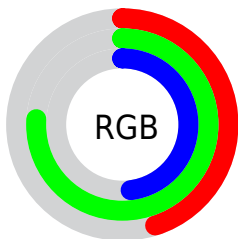
<b>Format</b>	<b>Color</b>
<b>RYB</b>	114, 186, 193
Decimal	7520634
CIELab	71.64, -39.13, 28.34
CIELCh	72, 48.318, 144.090
Yxy	43.1225, 0.3018, 0.4408
Android (android.graphics.Color)	4285710714 (0xFF72C17A)
YUV	161.2850, -19.3675, -41.4689
Hunter-Lab	65.6677, -34.6704, 23.2331

# Details

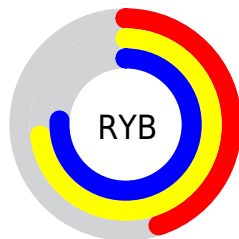
The XYZ color **29.5222, 43.1225, 25.1798** is a dark color, and the websafe version is hex **66CC99**. A complement of this color would be **36.7679, 26.8756, 49.1499**, and the grayscale version is **34.1051, 35.8813, 39.0747**.

A 20% lighter version of the original color is **58.2857, 79.9014, 52.9080**, and **12.2658, 19.8938, 9.3243** is the 20% darker color. If you saturate the color by 10%, you get **26.2912, 41.5714, 19.9106**, and if you desaturate by 10%, it is **33.4769, 45.0270, 31.4861**.

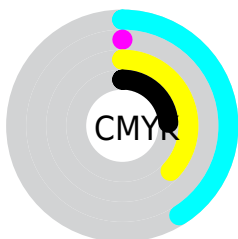
# Distribution



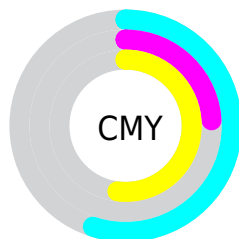
- Red (45%)
- Green (76%)
- Blue (48%)



- Red (45%)
- Yellow (73%)
- Blue (76%)



- Cyan (41%)
- Magenta (0%)
- Yellow (37%)
- Black (24%)



- Cyan (55%)
- Magenta (24%)
- Yellow (52%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 29.5222, 43.1225, 25.1798 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 29.5222, 43.1225, 25.1798 by changing the saturation by 10% instead.



■ 29.5222, 43.1225,  
25.1798

■ 29.5222, 43.1225,  
25.1798

291.6209,  
359.1153, 292.2085

■ 19.6225, 29.9812,  
15.9908

■ 58.2976, 79.8957,  
52.9165

■ 12.2276, 19.8244,  
9.3634

■ 77.9039, 104.2964,  
72.3013

■ 6.9722, 12.2674,  
4.8789

■ 101.4765,  
133.2191, 95.9218

■ 3.4909, 6.9261,  
2.1189

129.3808,  
167.0481, 124.1965

■ 1.4184, 3.4159,  
0.6270

161.9820,  
206.1678, 157.5440

■ 0.2692, 1.3525,  
0.0000

199.6455,

■ 0.0000, 0.1813,

250.9626, 196.3828

0.0000

242.7367,  
301.8170, 241.1314

■ 0.0000, 0.0000,  
0.0000

■ 29.5222, 43.1225,  
25.1798

■ 29.5222, 43.1225,  
25.1798

■ 26.2912, 41.5714,  
19.9106

■ 33.4769, 45.0270,  
31.4861

■ 23.7369, 40.3469,  
15.6202

■ 38.1922, 47.2991,  
38.8778

■ 21.8117, 39.4270,  
12.2491


■ 43.7063, 49.9587,  
47.4037


■ 20.4605, 38.7848,  
9.7303


■ 50.0539, 53.0228,  
57.1087


■ 19.6185, 38.3885,  
7.9872

■ 57.2677, 56.5073,  
68.0353

 19.1931, 38.1906,  
7.0008

 65.3786, 60.4272,  
80.2239

 74.4160, 64.7970,  
93.7131

 78.3608, 66.6217,  
103.3369

# Harmonies

## Analogous

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



34.8963, 43.1225, 16.6688



29.5222, 43.1225, 25.1798



27.2485, 43.1225, 42.4663

# Triad

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



29.5222, 43.1225, 25.1798



39.3885, 43.1225, 107.5188



57.0864, 43.1225, 30.8629

# Complementary

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



29.5222, 43.1225, 25.1798



36.7679, 26.8756, 49.1499

# 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.



58.7056, 43.1225, 51.7452



29.5222, 43.1225, 25.1798



47.7473, 43.1225, 101.2451

# Square

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



29.5222, 43.1225, 25.1798



32.4369, 43.1225, 93.7000



55.0905, 43.1225, 78.6359



50.9205, 43.1225, 19.1039

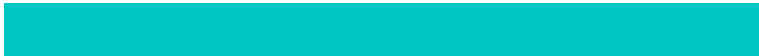


# Rectangle

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



29.5222, 43.1225, 25.1798



27.5463, 43.1225, 58.7946



55.0905, 43.1225, 78.6359



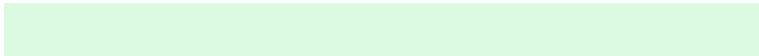
58.2120, 43.1225, 36.8189

# Sweetspot

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



29.5233, 43.1243, 25.1808



76.9555, 88.8360, 82.8672



42.1407, 49.6838, 23.2886



16.2184, 18.9178, 17.3293



92.9021, 97.7402, 106.4391



19.4759, 20.4902, 22.3138



# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



29.5233, 43.1243, 25.1808



47.6966, 74.7447, 36.6666



32.4789, 44.3066, 40.7448



9.9850, 11.2750, 10.9242



12.7794, 25.4058, 4.7312



0.5664, 1.1034, 0.2795



# Inverse Universe

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



36.7679, 26.8756, 49.1499



62.3950, 41.7441, 85.2717



33.1681, 25.4357, 30.1935



10.4519, 10.2294, 12.4703



19.6906, 9.5660, 27.3465



0.8637, 0.4185, 1.2497



# Previews

## White Background



This preview shows how the XYZ color 29.5222, 43.1225, 25.1798 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 29.5222, 43.1225, 25.1798 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

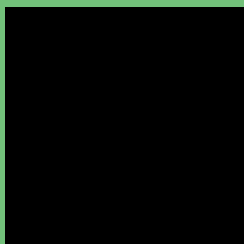
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 29.5222, 43.1225, 25.1798**

## **Background**



This preview shows how black text looks on a background with the XYZ color 29.5222, 43.1225, 25.1798.



This preview shows how white text looks on a background with the XYZ color 29.5222, 43.1225,



# 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

29.5222, 43.1225, 25.1798

### Protanopia

39.6024, 42.8220, 22.0978

### Deuteranopia

43.4471, 42.4613, 26.3280



## Tritanopia

36.5395, 43.1040, 59.8202

# Trichromacy



## Original Color

29.5222, 43.1225, 25.1798



## Protanomaly

34.8391, 42.4216, 23.1816



## Deuteranomaly

36.5248, 41.4413, 25.8126



## Tritanomaly

33.3382, 42.7280, 44.5204

# Monochromacy



## Original Color

29.5222, 43.1225, 25.1798



## Achromatopsia

33.8758, 35.6400, 38.8120



## Achromatomaly

31.7116, 37.9230, 33.2523

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 29.5222, 43.1225, 25.1798 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(114, 193, 122)` looks like.

```
.text, #text, p{  
    color:rgb(114, 193, 122)  
}
```

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(114, 193, 122) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(114, 193, 122) }
```

## Border

The CSS property to change the border of an element to XYZ 29.5222, 43.1225, 25.1798 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(114, 193, 122) }
```



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

```
.border{ border-color:rgb(114, 193, 122) }
```

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

Here you see how a box with a 4 pixel `rgb(114, 193, 122)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(114, 193, 122); -webkit-box-  
shadow:4px 4px 4px 4px rgb(114, 193, 122);  
box-shadow:4px 4px 4px 4px rgb(114, 193,  
122) }
```

# Background

The CSS property to change the background color of an element to XYZ 29.5222, 43.1225, 25.1798 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(114, 193, 122) }
```

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

```
.background{ background-color: rgb(114,  
193, 122) }
```

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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