

# Converting Colors

XYZ(29.2542, 30.7154, 84.5076)

Have a look what the booklet for  
XYZ(29.2542, 30.7154, 84.5076)  
contains.

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# Color

**XYZ(29.2542, 30.7154,  
84.5076)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	429BED
RGB	66, 155, 237
RGB Percent	26%, 61%, 93%
CMY	0.7411, 0.3922, 0.0706
CMYK	0.72, 0.35, 0.00, 0.07
HSL	209°, 83%, 59%
HSV	209°, 72%, 93%
XYZ	29.2542, 30.7154, 84.5076
YIQ	137.7370, -79.3660, 6.6340

# Conversions

## Conversions Part 2

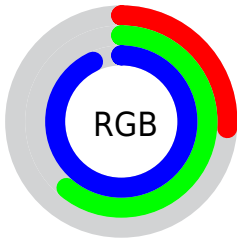
Format	Color
R <sub>YB</sub>	66, 125, 237
Decimal	4365293
CIE Lab	62.27, 0.23, -48.86
CIE LCh	62, 48.857, 270.271
Yxy	30.7154, 0.2025, 0.2126
Android (android.graphics.Color)	4282555373 (0xFF429BED)
YUV	137.7370, 48.9367, -62.9133
Hunter-Lab	55.4215, -2.7664, -51.6114

# Details

The XYZ color **29.2542, 30.7154, 84.5076** is a light color, and the websafe version is hex **0099FF**. The color can be described as light muted azure. A complement of this color would be **46.5007, 39.5814, 10.3452**, and the grayscale version is **23.9004, 25.1451, 27.3830**.

A 20% lighter version of the original color is **50.5233, 57.8075, 103.1028**, and **13.2908, 13.2368, 45.5705** is the 20% darker color. If you saturate the color by 10%, you get **26.1721, 26.4498, 83.8474**, and if you desaturate by 10%, it is **33.1778, 35.6799, 85.2597**.

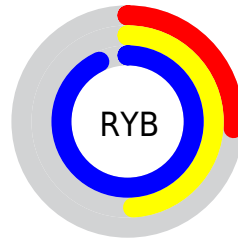
# Distribution



Red (26%)

Green (61%)

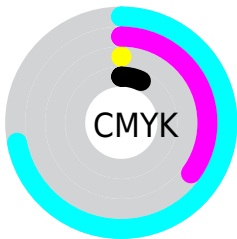
Blue (93%)



Red (26%)

Yellow (49%)

Blue (93%)

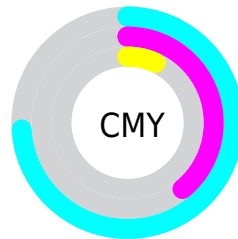


Cyan (72%)

Magenta (35%)

Yellow (0%)

Black (7%)



Cyan (74%)

Magenta (39%)

Yellow (7%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 29.2542, 30.7154, 84.5076 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 29.2542, 30.7154, 84.5076 by changing the saturation by 10% instead.



■ 29.2542, 30.7154,  
84.5076

■ 29.2542, 30.7154,  
84.5076

290.3851,  
305.2250, 530.0994

■ 19.4185, 20.3822,  
62.8868

■ 57.8755, 60.7917,  
141.5531

■ 12.0788, 12.6732,  
45.3092

■ 77.3917, 81.3037,  
177.8148

■ 6.8700, 7.2039,  
31.3563

■ 100.8655,  
105.9773, 219.7939

■ 3.4265, 3.5899,  
20.6096

■ 128.6622,  
135.1971, 267.9090

■ 1.3831, 1.4469,  
12.6505

161.1472,  
169.3473, 322.5785

■ 0.2442, 0.2509,  
7.0604

198.6857,

■ 0.0000, 0.0000,

208.8125, 384.2211

3.4209

241.6432,  
253.9769, 453.2552

■ 0.0000, 0.0000,  
1.3134

■ 0.0000, 0.0000,  
0.0727

■ 29.2542, 30.7154,  
84.5076

■ 29.2542, 30.7154,  
84.5076

■ 26.1721, 26.4498,  
83.8474

■ 33.1778, 35.6799,  
85.2597

■ 23.8352, 22.8251,  
83.2709

■ 38.0167, 41.3872,  
86.1063

■ 22.4121, 20.3662,  
82.8713

■ 43.8399, 47.8799,  
87.0526

■ 50.7082, 55.1959,  
88.1027

■ 58.6772, 63.3700,  
89.2605

■ 67.7982, 72.4349,  
90.5294

■ 78.1192, 82.4210,  
91.9130

■ 89.4595, 93.2412,  
93.4038

■ 92.2862, 98.8945,  
94.3460

# Harmonies

## Analogous

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



23.3452, 30.7154, 75.9454



29.2542, 30.7154, 84.5076



36.0661, 30.7154, 75.6484

# Triad

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



29.2542, 30.7154, 84.5076



41.5756, 30.7154, 18.2710



19.5068, 30.7154, 18.4709

# Complementary

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



29.2542, 30.7154, 84.5076



46.5007, 39.5814, 10.3452

# 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.



23.2556, 30.7154, 10.8587



29.2542, 30.7154, 84.5076



35.9464, 30.7154, 10.7776

# Square

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



29.2542, 30.7154, 84.5076



43.8033, 30.7154, 33.2720



29.1340, 30.7154, 8.6831



18.2586, 30.7154, 33.6162



# Rectangle

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



29.2542, 30.7154, 84.5076



40.0758, 30.7154, 62.4484



29.1340, 30.7154, 8.6831



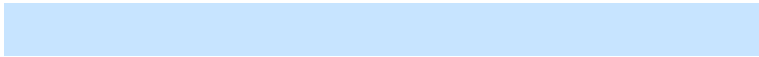
20.4853, 30.7154, 15.1846

# Sweetspot

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



29.2554, 30.7164, 84.5084



69.3467, 74.8885, 105.4077



37.7053, 63.7969, 37.4421



14.2659, 15.4445, 22.4791



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.



29.2554, 30.7164, 84.5084



29.3679, 28.9175, 98.6415



19.8325, 11.8706, 81.3674



14.8798, 15.8460, 19.1966



12.3685, 11.3839, 45.2884



1.0675, 1.0865, 3.5883



# Inverse Universe

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



42.7908, 24.2691, 33.4402



47.1818, 24.5135, 30.5157



64.5694, 75.7188, 16.3681



15.3929, 15.1850, 17.3542



21.0983, 10.6420, 11.5850



1.7053, 0.8551, 1.1656



# Previews

## White Background



This preview shows how the XYZ color 29.2542, 30.7154, 84.5076 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 29.2542, 30.7154, 84.5076 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

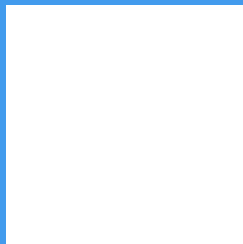
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 29.2542, 30.7154, 84.5076**

## **Background**



This preview shows how black text looks on a background with the XYZ color 29.2542, 30.7154, 84.5076.



This preview shows how white text looks on a background with the XYZ color 29.2542, 30.7154,



# 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

29.2542, 30.7154, 84.5076

### Protanopia

32.4624, 30.5737, 79.0533

### Deuteranopia

31.4846, 30.6384, 85.1433



## Tritanopia

21.8744, 30.5677, 47.9273

# Trichromacy



## Original Color

29.2542, 30.7154, 84.5076

## Protanomaly

30.8699, 30.4052, 81.3326

## Deuteranomaly

30.5913, 30.6558, 85.1937

## Tritanomaly

23.8396, 30.2519, 59.8411

# Monochromacy



## Original Color

29.2542, 30.7154, 84.5076

## Achromatopsia

24.1572, 25.4152, 27.6772

## Achromatomaly

24.2953, 26.4473, 43.8687

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 29.2542, 30.7154, 84.5076 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(66, 155, 237)` looks like.

```
.text, #text, p{  
    color:rgb(66, 155, 237)  
}
```

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(66, 155, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(66, 155, 237) }
```

## Border

The CSS property to change the border of an element to XYZ 29.2542, 30.7154, 84.5076 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(66, 155, 237) }
```



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

```
.border{ border-color:rgb(66, 155, 237) }
```

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

Here you see how a box with a 4 pixel `rgb(66, 155, 237)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(66, 155, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(66, 155, 237);  
box-shadow:4px 4px 4px 4px rgb(66, 155,  
237) }
```

# Background

The CSS property to change the background color of an element to XYZ 29.2542, 30.7154, 84.5076 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(66, 155, 237) }
```

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

```
.background{ background-color: rgb(66, 155,  
237) }
```

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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