

# Converting Colors

XYZ(30.0910, 38.2190, 72.2473)

Have a look what the booklet for  
XYZ(30.0910, 38.2190, 72.2473)  
contains.

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# Color

**XYZ(30.1029, 38.2853,  
72.1329)**

# Conversions

## Conversions Part 1

Format	Color
Hex	2EB4DA
RGB	46, 180, 218
RGB Percent	18%, 71%, 85%
CMY	0.8195, 0.2941, 0.1451
CMYK	0.79, 0.17, 0.00, 0.15
HSL	193°, 70%, 52%
HSV	193°, 79%, 85%
XYZ	30.1029, 38.2853, 72.1329
YIQ	144.2660, -92.0620, -16.5900

# Conversions

## Conversions Part 2

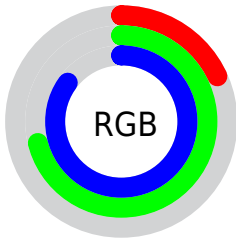
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	46, 121, 218
Decimal	3060954
CIE <sub>Lab</sub>	68.23, -22.24, -29.12
CIE <sub>LCh</sub>	68, 36.646, 232.634
Yxy	38.2853, 0.2142, 0.2725
Android (android.graphics.Color)	4281251034 (0xFF2EB4DA)
YUV	144.2660, 36.3509, -86.1793
Hunter-Lab	61.8751, -21.4393, -25.8066

# Details

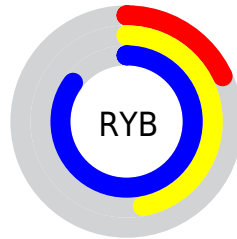
The XYZ color **30.1029, 38.2853, 72.1329** is a dark color, and the websafe version is hex **33CCFF**. The color can be described as middle washed azure. A complement of this color would be **32.5787, 21.4459, 5.0088**, and the grayscale version is **26.5034, 27.8836, 30.3652**.

A 20% lighter version of the original color is **55.6532, 71.1328, 105.4045**, and **14.2002, 17.8231, 37.3421** is the 20% darker color. If you saturate the color by 10%, you get **28.4030, 35.9911, 71.7804**, and if you desaturate by 10%, it is **32.3372, 40.9065, 72.5218**.

# Distribution



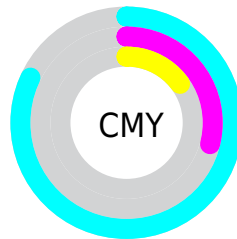
- Red (18%)
- Green (71%)
- Blue (85%)



- Red (18%)
- Yellow (47%)
- Blue (85%)



- Cyan (79%)
- Magenta (17%)
- Yellow (0%)
- Black (15%)



- Cyan (82%)
- Magenta (29%)
- Yellow (15%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 30.1029, 38.2853, 72.1329 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 30.1029, 38.2853, 72.1329 by changing the saturation by 10% instead.



30.1029, 38.2853,  
72.1329

30.1029, 38.2853,  
72.1329

294.2850,  
338.8423, 486.9940

20.0652, 26.2042,  
52.7797

59.2104, 72.5452,  
123.9549

12.5510, 16.9765,  
37.2405

79.0108, 95.4928,  
157.2609

7.1949, 10.2177,  
25.0965

102.7962,  
122.8314, 196.0549

3.6317, 5.5435,  
15.9293

130.9320,  
154.9453, 240.7554

1.4960, 2.5696,  
9.3203

163.7833,  
192.2189, 291.7811

0.3231, 0.9114,  
4.8510

201.7157,

0.0000, 0.0000,

235.0367, 349.5504

2.1029

245.0945,  
283.7830, 414.4818

■ 0.0000, 0.0000,  
0.6175

■ 0.0000, 0.0000,  
0.0000

■ 30.1029, 38.2853,  
72.1329

■ 30.1029, 38.2853,  
72.1329

■ 28.4030, 35.9911,  
71.7804

■ 32.3372, 40.9065,  
72.5218

■ 27.1293, 33.9656,  
71.4566

■ 35.1688, 43.8856,  
72.9476

■ 26.9989, 33.7498,  
71.4218

■ 38.6556, 47.2537,  
73.4139

■ 42.8474, 51.0367,  
73.9232

■ 47.7889, 55.2584,  
74.4776

■ 53.5211, 59.9403,  
75.0792

■ 60.0820, 65.1024,  
75.7298

■ 67.5069, 70.7635,  
76.4312

■ 75.8292, 76.9410,  
77.1849

# Harmonies

## Analogous

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



27.1369, 38.2853, 55.0479



30.1029, 38.2853, 72.1329



34.9945, 38.2853, 81.4682

# Triad

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



30.1029, 38.2853, 72.1329



48.4473, 38.2853, 45.8646



32.3112, 38.2853, 18.8166

# Complementary

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



30.1029, 38.2853, 72.1329



32.5787, 21.4459, 5.0088

# 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.



37.8202, 38.2853, 17.5684



30.1029, 38.2853, 72.1329



47.5361, 38.2853, 30.6831

# Square

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



30.1029, 38.2853, 72.1329



45.8677, 38.2853, 63.9213



43.4945, 38.2853, 21.2993



28.3154, 38.2853, 25.3173



# Rectangle

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



30.1029, 38.2853, 72.1329



38.8526, 38.2853, 80.6836



43.4945, 38.2853, 21.2993



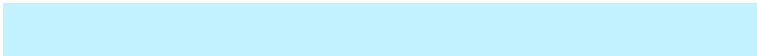
34.0319, 38.2853, 17.8530

# Sweetspot

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



30.1042, 38.2867, 72.1338



71.8439, 81.8570, 106.6212



27.7713, 51.3535, 16.6888



14.7674, 17.0180, 22.7564



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

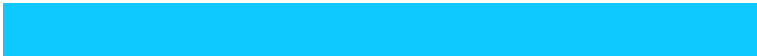


# Same Dimension

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



30.1042, 38.2867, 72.1338



39.2103, 49.2995, 102.0569



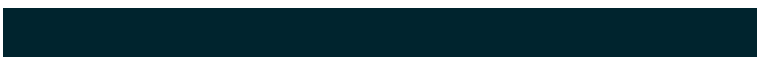
17.8518, 13.7818, 68.0497



13.1881, 14.3160, 16.7203



16.2579, 20.3853, 42.8163



1.1148, 1.4437, 2.7943



# Inverse Universe

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



38.1298, 20.1562, 45.0621



51.9795, 25.7810, 57.7894



43.6459, 43.5802, 8.6979



13.4848, 13.2230, 15.8143



21.7016, 10.6817, 23.8723



1.4370, 0.7044, 1.7100



# Previews

## White Background



This preview shows how the XYZ color 30.1029, 38.2853, 72.1329 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 30.1029, 38.2853, 72.1329 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

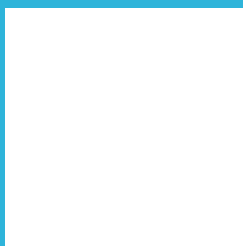
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 30.1029, 38.2853, 72.1329**

## **Background**



This preview shows how black text looks on a background with the XYZ color 30.1029, 38.2853, 72.1329.



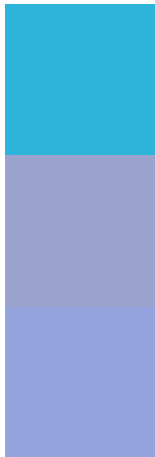
This preview shows how white text looks on a background with the XYZ color 30.1029, 38.2853,



# 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

30.1029, 38.2853, 72.1329

### Protanopia

37.7553, 37.6192, 63.6638

### Deuteranopia

38.6764, 37.8579, 74.3761



## Tritanopia

27.4150, 38.0929, 59.3338

# Trichromacy



## Original Color

30.1029, 38.2853, 72.1329



## Protanomaly

32.8911, 36.6739, 66.3180



## Deuteranomaly

33.9212, 37.0411, 73.7684



## Tritanomaly

28.2541, 38.1249, 63.6273

# Monochromacy



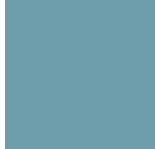
## Original Color

30.1029, 38.2853, 72.1329



## Achromatopsia

26.5089, 27.8894, 30.3716



## Achromatomaly

25.5920, 30.2424, 43.0166

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 30.1029, 38.2853, 72.1329 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(46, 180, 218)` looks like.

```
.text, #text, p{  
    color:rgb(46, 180, 218)  
}
```

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(46, 180, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(46, 180, 218) }
```

## Border

The CSS property to change the border of an element to XYZ 30.1029, 38.2853, 72.1329 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(46, 180, 218) }
```



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

```
.border{ border-color:rgb(46, 180, 218) }
```

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

Here you see how a box with a 4 pixel `rgb(46, 180, 218)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(46, 180, 218); -webkit-box-  
shadow:4px 4px 4px 4px rgb(46, 180, 218);  
box-shadow:4px 4px 4px 4px rgb(46, 180,  
218) }
```

# Background

The CSS property to change the background color of an element to XYZ 30.1029, 38.2853, 72.1329 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(46, 180, 218) }
```

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

```
.background{ background-color: rgb(46, 180,  
218) }
```

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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