

Converting Colors

XYZ(29.4492, 38.2642, 71.4792)

Have a look what the booklet for
XYZ(29.4492, 38.2642, 71.4792)
contains.

XYZ(29.4492, 38.2642, 71.4792)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(29.4492, 38.2642,
71.4792)**

Conversions

Conversions Part 1

Format	Color
Hex	19B5D9
RGB	25, 181, 217
RGB Percent	10%, 71%, 85%
CMY	0.9018, 0.2902, 0.1490
CMYK	0.88, 0.17, 0.00, 0.15
HSL	191°, 79%, 47%
HSV	191°, 88%, 85%
XYZ	29.4492, 38.2642, 71.4792
YIQ	138.4600, -104.5320, -21.8760

Conversions

Conversions Part 2

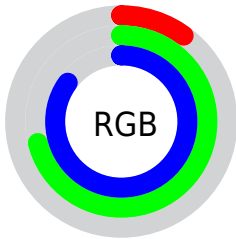
Format	Color
R_{YB}	25, 111, 217
Decimal	1684953
CIE _{Lab}	68.21, -24.66, -28.62
CIE _{LCh}	68, 37.780, 229.255
Yxy	38.2642, 0.2116, 0.2749
Android (android.graphics.Color)	4279875033 (0xFF19B5D9)
YUV	138.4600, 38.7202, -99.5044
Hunter-Lab	61.8581, -23.2719, -25.2111

Details

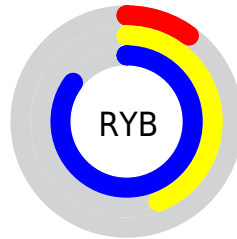
The XYZ color **29.4492, 38.2642, 71.4792** is a dark color, and the websafe version is hex **00CCFF**. The color can be described as middle washed azure. A complement of this color would be **30.4616, 18.1626, 2.8215**, and the grayscale version is **24.2221, 25.4835, 27.7515**.

A 20% lighter version of the original color is **54.7646, 71.1034, 105.4457**, and **14.2408, 18.0470, 36.9153** is the 20% darker color. If you saturate the color by 10%, you get **28.2751, 36.4492, 71.1915**, and if you desaturate by 10%, it is **31.0483, 40.3356, 71.7955**.

Distribution



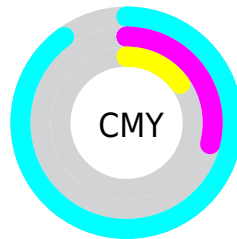
- Red (10%)
- Green (71%)
- Blue (85%)



- Red (10%)
- Yellow (44%)
- Blue (85%)



- Cyan (88%)
- Magenta (17%)
- Yellow (0%)
- Black (15%)



- Cyan (90%)
- Magenta (29%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.4492, 38.2642, 71.4792 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 29.4492, 38.2642, 71.4792 by changing the saturation by 10% instead.

■ 29.4492, 38.2642,
71.4792

■ 29.4492, 38.2642,
71.4792

291.2847,
338.7520, 484.6556

■ 19.5669, 26.1878,
52.2491

■ 58.1827, 72.5129,
123.0166

■ 12.1870, 16.9642,
36.8201

■ 77.7645, 95.4540,
156.1610

■ 6.9443, 10.2090,
24.7735

■ 101.3102,
122.7855, 194.7807

■ 3.4733, 5.5377,
15.6909

■ 129.1852,
154.8917, 239.2940

■ 1.4087, 2.5661,
9.1537

■ 161.7548,
192.1570, 290.1196

■ 0.2624, 0.9096,
4.7434

199.3843,

■ 0.0000, 0.0000,

234.9659, 347.6761

2.0414

242.4392,
283.7028, 412.3819

■ 0.0000, 0.0000,
0.5806

■ 0.0000, 0.0000,
0.0000

■ 29.4492, 38.2642,
71.4792

■ 29.4492, 38.2642,
71.4792

■ 28.2751, 36.4492,
71.1915

■ 31.0483, 40.3356,
71.7955

■ 28.1105, 36.1818,
71.1486

■ 33.1663, 42.7100,
72.1422

■ 35.8699, 45.4228,
72.5233

■ 39.2146, 48.5027,
72.9415

■ 43.2491, 51.9754,
73.3992

■ 48.0174, 55.8637,
73.8984

■ 53.5599, 60.1888,
74.4410

■ 59.9138, 64.9699,
75.0290

■ 67.1138, 70.2255,
75.6640

Harmonies

Analogous

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



26.6673, 38.2642, 53.3347



29.4492, 38.2642, 71.4792



34.2926, 38.2642, 82.4794

Triad

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



29.4492, 38.2642, 71.4792



48.7054, 38.2642, 48.0255



32.7512, 38.2642, 17.8847

Complementary

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



29.4492, 38.2642, 71.4792



30.4616, 18.1626, 2.8215

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.



38.5275, 38.2642, 17.1833



29.4492, 38.2642, 71.4792



48.1774, 38.2642, 31.8322

Square

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



29.4492, 38.2642, 71.4792



45.6686, 38.2642, 66.6994



44.2958, 38.2642, 21.5617



28.4261, 38.2642, 23.8371

Rectangle

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



29.4492, 38.2642, 71.4792



38.2261, 38.2642, 82.7111



44.2958, 38.2642, 21.5617



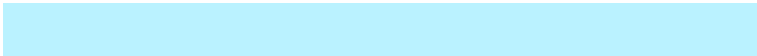
34.5730, 38.2642, 17.1021

Sweetspot

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



29.4505, 38.2656, 71.4801



70.1149, 81.2353, 106.5923



26.0363, 50.1619, 12.6160



14.4643, 16.9539, 22.7600



0.0000, 0.0000, 0.0000



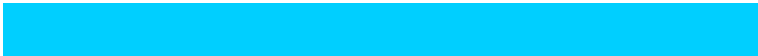
20.3446, 21.4041, 23.3091

Same Dimension

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



29.4505, 38.2656, 71.4801



40.4070, 51.9341, 102.5023



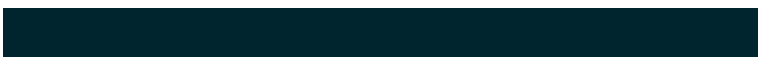
16.2395, 11.8437, 67.0765



13.2265, 14.3928, 16.7331



17.0894, 22.0482, 43.0934



1.1619, 1.5379, 2.8101

Inverse Universe

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



37.3046, 18.7846, 45.3770



52.5248, 25.7739, 61.3550



40.7151, 38.6696, 6.2394



13.5042, 13.2308, 15.9163



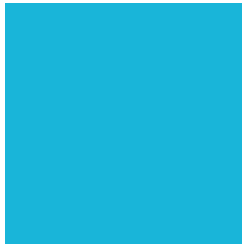
22.1213, 10.8495, 26.0823



1.4608, 0.7139, 1.8353

Previews

White Background



This preview shows how the XYZ color 29.4492, 38.2642, 71.4792 looks on a white background.

Color Contrast Check

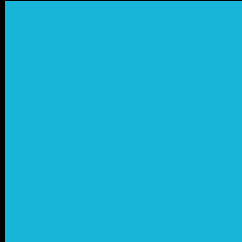
Large Text (above 18pt) WCAG AA × Fail

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 29.4492, 38.2642, 71.4792 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

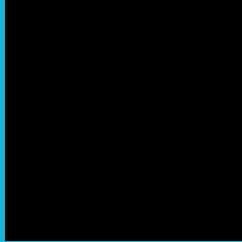
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 29.4492, 38.2642, 71.4792

Background



This preview shows how black text looks on a background with the XYZ color 29.4492, 38.2642, 71.4792.



This preview shows how white text looks on a background with the XYZ color 29.4492, 38.2642,

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

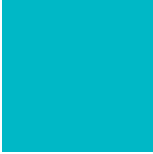
29.4492, 38.2642, 71.4792

Protanopia

37.5138, 37.5226, 62.3921

Deuteranopia

38.7260, 37.8989, 73.6807



Tritanopia

27.3335, 38.3582, 59.3893

Trichromacy



Original Color

29.4492, 38.2642, 71.4792



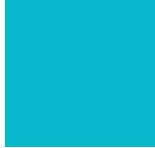
Protanomaly

32.0677, 36.5410, 65.6846



Deuteranomaly

33.1187, 36.9200, 73.0909



Tritanomaly

28.0656, 38.3328, 63.6774

Monochromacy



Original Color

29.4492, 38.2642, 71.4792



Achromatopsia

24.1572, 25.4152, 27.6772



Achromatomaly

23.4604, 28.4426, 40.8127

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.4492, 38.2642, 71.4792 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(25, 181, 217)` looks like.

```
.text, #text, p{  
    color:rgb(25, 181, 217)  
}
```

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(25, 181, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(25, 181, 217) }
```

Border

The CSS property to change the border of an element to XYZ 29.4492, 38.2642, 71.4792 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(25, 181, 217) }
```


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

```
.border{ border-color:rgb(25, 181, 217) }
```

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

Here you see how a box with a 4 pixel `rgb(25, 181, 217)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(25, 181, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(25, 181, 217);  
box-shadow:4px 4px 4px 4px rgb(25, 181,  
217) }
```

Background

The CSS property to change the background color of an element to XYZ 29.4492, 38.2642, 71.4792 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(25, 181, 217) }
```

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

```
.background{ background-color: rgb(25, 181,  
217) }
```

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