

Converting Colors

XYZ(29.1514, 38.7096, 66.8964)

Have a look what the booklet for
XYZ(29.1514, 38.7096, 66.8964)
contains.

XYZ(29.2260, 38.8602, 66.9332)	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(29.2260, 38.8602,
66.9332)**

Conversions

Conversions Part 1

Format	Color
Hex	22B7D2
RGB	34, 183, 210
RGB Percent	13%, 72%, 82%
CMY	0.8666, 0.2823, 0.1765
CMYK	0.84, 0.13, 0.00, 0.18
HSL	189°, 72%, 48%
HSV	189°, 84%, 82%
XYZ	29.2260, 38.8602, 66.9332
YIQ	141.5270, -97.4710, -23.1910

Conversions

Conversions Part 2

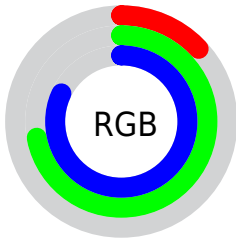
Format	Color
RYB	34, 115, 210
Decimal	2275282
CIELab	68.65, -27.39, -24.11
CIELCh	69, 36.489, 221.352
Yxy	38.8602, 0.2165, 0.2878
Android (android.graphics.Color)	4280465362 (0xFF22B7D2)
YUV	141.5270, 33.7572, -94.3012
Hunter-Lab	62.3379, -25.4050, -20.0240

Details

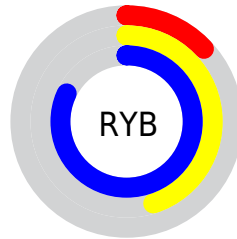
The XYZ color **29.2260, 38.8602, 66.9332** is a dark color, and the websafe version is hex **00CCFF**. The color can be described as middle washed azure. A complement of this color would be **28.5372, 17.1566, 3.3221**, and the grayscale version is **25.4257, 26.7498, 29.1305**.

A 20% lighter version of the original color is **55.7266, 72.4637, 105.6575**, and **13.8990, 18.3318, 33.8162** is the 20% darker color. If you saturate the color by 10%, you get **28.0763, 37.2930, 66.6920**, and if you desaturate by 10%, it is **30.8157, 40.6783, 67.2011**.

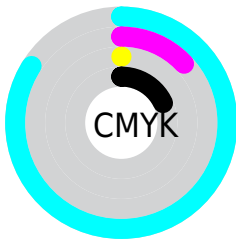
Distribution



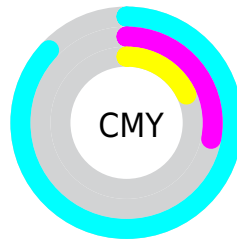
- Red (13%)
- Green (72%)
- Blue (82%)



- Red (13%)
- Yellow (45%)
- Blue (82%)



- Cyan (84%)
- Magenta (13%)
- Yellow (0%)
- Black (18%)



- Cyan (87%)
- Magenta (28%)
- Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.2260, 38.8602, 66.9332 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 29.2260, 38.8602, 66.9332 by changing the saturation by 10% instead.

■ 29.2260, 38.8602,
66.9332

■ 29.2260, 38.8602,
66.9332

290.2548,
341.2958, 468.2020

■ 19.3970, 26.6510,
48.5691

■ 57.8310, 73.4247,
116.4644

■ 12.0632, 17.3113,
33.9146

■ 77.3378, 96.5488,
148.4686

■ 6.8592, 10.4567,
22.5512

■ 100.8012,
124.0799, 185.8566

■ 3.4198, 5.7028,
14.0603

■ 128.5865,
156.4026, 229.0469

■ 1.3794, 2.6652,
8.0234

■ 161.0592,
193.9011, 278.4580

■ 0.2415, 0.9596,
4.0219

198.5846,

■ 0.0000, 0.0000,

236.9599, 334.5086

1.6374

241.5280,
285.9633, 397.6170

■ 0.0000, 0.0000,
0.3173

■ 0.0000, 0.0000,
0.0000

■ 29.2260, 38.8602,
66.9332

■ 29.2260, 38.8602,
66.9332

■ 28.0763, 37.2930,
66.6920

■ 30.8157, 40.6783,
67.2011

■ 27.5104, 36.4080,
66.5511

■ 32.9086, 42.7778,
67.4960

■ 35.5612, 45.1887,
67.8216

■ 38.8216, 47.9360,
68.1800

■ 42.7324, 51.0417,
68.5734

■ 47.3325, 54.5261,
69.0035

■ 52.6575, 58.4076,
69.4720

■ 58.7406, 62.7036,
69.9806

■ 65.6130, 67.4301,
70.5307

Harmonies

Analogous

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



27.1015, 38.8602, 48.8711



29.2260, 38.8602, 66.9332



33.5043, 38.8602, 80.0671

Triad

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



29.2260, 38.8602, 66.9332



48.4611, 38.8602, 53.2928



34.7970, 38.8602, 18.2011

Complementary

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



29.2260, 38.8602, 66.9332



28.5372, 17.1566, 3.3221

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.



40.5933, 38.8602, 18.8033



29.2260, 38.8602, 66.9332



48.8999, 38.8602, 36.3680

Square

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



29.2260, 38.8602, 66.9332



44.7509, 38.8602, 70.8858



45.8938, 38.8602, 24.6177



30.0874, 38.8602, 22.6805

Rectangle

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



29.2260, 38.8602, 66.9332



37.1975, 38.8602, 82.6295



45.8938, 38.8602, 24.6177



36.6747, 38.8602, 17.8545

Sweetspot

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



29.2273, 38.8616, 66.9342



72.3177, 83.7667, 106.9648



24.5338, 46.7648, 12.0661



14.9217, 17.5104, 22.8433



0.0000, 0.0000, 0.0000



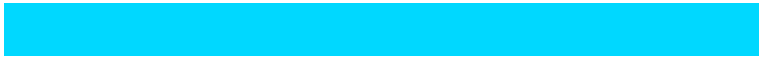
20.3446, 21.4041, 23.3091

Same Dimension

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



29.2273, 38.8616, 66.9342



42.5749, 56.2698, 103.2250



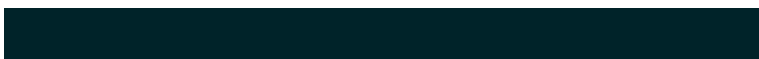
16.4408, 13.2886, 62.6720



11.9975, 13.0852, 15.1370



16.8405, 22.3276, 40.6146



0.9844, 1.3339, 2.2852

Inverse Universe

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



35.6987, 18.2658, 46.4453



53.6190, 26.2116, 67.1172



37.5215, 35.1250, 6.3169



12.2296, 11.9766, 14.4849



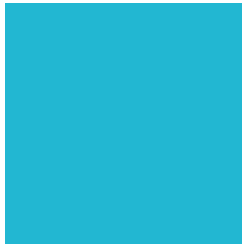
21.1310, 10.3252, 26.6599



1.2031, 0.5860, 1.6043

Previews

White Background



This preview shows how the XYZ color 29.2260, 38.8602, 66.9332 looks on a white background.

Color Contrast Check

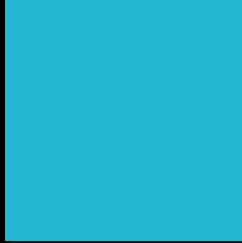
Large Text (above 18pt) WCAG AA × Fail

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 29.2260, 38.8602, 66.9332 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 29.2260, 38.8602, 66.9332

Background



This preview shows how black text looks on a background with the XYZ color 29.2260, 38.8602, 66.9332.

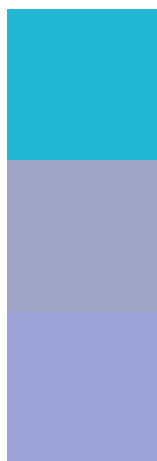


This preview shows how white text looks on a background with the XYZ color 29.2260, 38.8602,

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

29.2260, 38.8602, 66.9332

Protanopia

37.8313, 38.3124, 58.2244

Deuteranopia

39.1394, 38.2175, 68.9322



Tritanopia

27.9713, 38.9696, 60.6912

Trichromacy



Original Color

29.2260, 38.8602, 66.9332



Protanomaly

32.3526, 37.3467, 61.3806



Deuteranomaly

33.0671, 36.9983, 68.3494



Tritanomaly

28.3704, 38.8112, 63.1228

Monochromacy



Original Color

29.2260, 38.8602, 66.9332



Achromatopsia

25.7108, 27.0498, 29.4572



Achromatomaly

24.6255, 29.7875, 41.0109

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.2260, 38.8602, 66.9332 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(34, 183, 210)` looks like.

```
.text, #text, p{  
    color:rgb(34, 183, 210)  
}
```

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(34, 183, 210) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(34, 183, 210) }
```

Border

The CSS property to change the border of an element to XYZ 29.2260, 38.8602, 66.9332 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(34, 183, 210) }
```


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

```
.border{ border-color:rgb(34, 183, 210) }
```

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

Here you see how a box with a 4 pixel `rgb(34, 183, 210)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(34, 183, 210); -webkit-box-  
shadow:4px 4px 4px 4px rgb(34, 183, 210);  
box-shadow:4px 4px 4px 4px rgb(34, 183,  
210) }
```

Background

The CSS property to change the background color of an element to XYZ 29.2260, 38.8602, 66.9332 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(34, 183, 210) }
```

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

```
.background{ background-color: rgb(34, 183,  
210) }
```

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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