

Converting Colors

XYZ(29.1663, 38.5523, 65.0596)

Have a look what the booklet for
XYZ(29.1663, 38.5523, 65.0596)
contains.

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Color

**XYZ(29.1627, 38.5652,
64.9383)**

Conversions

Conversions Part 1

Format	Color
Hex	2FB6CF
RGB	47, 182, 207
RGB Percent	18%, 71%, 81%
CMY	0.8156, 0.2863, 0.1882
CMYK	0.77, 0.12, 0.00, 0.19
HSL	189°, 63%, 50%
HSV	189°, 77%, 81%
XYZ	29.1627, 38.5652, 64.9383
YIQ	144.4850, -88.4850, -20.8450

Conversions

Conversions Part 2

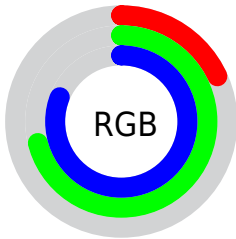
Format	Color
RYB	47, 120, 207
Decimal	3126991
CIELab	68.44, -26.71, -22.77
CIElCh	68, 35.098, 220.449
Yxy	38.5652, 0.2198, 0.2907
Android (android.graphics.Color)	4281317071 (0xFF2FB6CF)
YUV	144.4850, 30.8199, -85.4943
Hunter-Lab	62.1009, -24.8526, -18.5284

Details

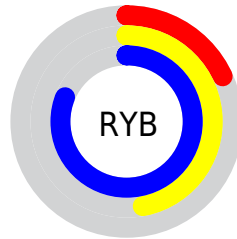
The XYZ color **29.1627, 38.5652, 64.9383** is a dark color, and the websafe version is hex **66CCCC**. The color can be described as middle muted azure. A complement of this color would be **28.5639, 18.1071, 4.6802**, and the grayscale version is **26.6118, 27.9977, 30.4895**.

A 20% lighter version of the original color is **56.0957, 72.2206, 105.5912**, and **13.6000, 18.0004, 32.8946** is the 20% darker color. If you saturate the color by 10%, you get **27.7703, 36.8761, 64.6864**, and if you desaturate by 10%, it is **31.0251, 40.5208, 65.2184**.

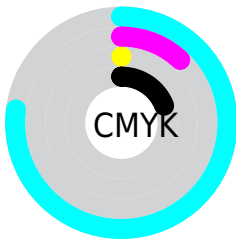
Distribution



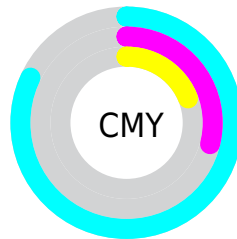
- Red (18%)
- Green (71%)
- Blue (81%)



- Red (18%)
- Yellow (47%)
- Blue (81%)



- Cyan (77%)
- Magenta (12%)
- Yellow (0%)
- Black (19%)



- Cyan (82%)
- Magenta (29%)
- Yellow (19%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.1627, 38.5652, 64.9383 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 29.1627, 38.5652, 64.9383 by changing the saturation by 10% instead.

■ 29.1627, 38.5652,
64.9383

■ 29.1627, 38.5652,
64.9383

289.9622,
340.0384, 460.8704

■ 19.3488, 26.4216,
46.9600

■ 57.7313, 72.9736,
113.5736

■ 12.0281, 17.1393,
32.6499

■ 77.2167, 96.0073,
145.0677

■ 6.8352, 10.3339,
21.5895

■ 100.6566,
123.4398, 181.9041

■ 3.4046, 5.6209,
13.3602

■ 128.4165,
155.6555, 224.5014

■ 1.3712, 2.6160,
7.5434

■ 160.8616,
193.0388, 273.2781

■ 0.2356, 0.9347,
3.7206

198.3574,

■ 0.0000, 0.0000,

235.9741, 328.6529

1.4734

241.2691,
284.8458, 391.0441

■ 0.0000, 0.0000,
0.1980

■ 0.0000, 0.0000,
0.0000

■ 29.1627, 38.5652,
64.9383

■ 29.1627, 38.5652,
64.9383

■ 27.7703, 36.8761,
64.6864

■ 31.0251, 40.5208,
65.2184

■ 26.7669, 35.4093,
64.4562

■ 33.4104, 42.7681,
65.5264

■ 26.5259, 35.0315,
64.3959

■ 36.3683, 45.3336,
65.8657

■ 39.9416, 48.2395,
66.2383

■ 44.1690, 51.5060,
66.6459

■ 49.0858, 55.1513,
67.0904

■ 54.7250, 59.1925,
67.5732

■ 61.1173, 63.6458,
68.0959

■ 68.2916, 68.5260,
68.6597

Harmonies

Analogous

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



27.1838, 38.5652, 47.7438



29.1627, 38.5652, 64.9383



33.2195, 38.5652, 77.6067

Triad

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



29.1627, 38.5652, 64.9383



47.5843, 38.5652, 52.9965



34.7651, 38.5652, 18.6449

Complementary

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



29.1627, 38.5652, 64.9383



28.5639, 18.1071, 4.6802

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.



40.3196, 38.5652, 19.3803



29.1627, 38.5652, 64.9383



48.1045, 38.5652, 36.7198

Square

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



29.1627, 38.5652, 64.9383



43.9748, 38.5652, 69.6029



45.3319, 38.5652, 25.2079



30.1963, 38.5652, 22.8598

Rectangle

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



29.1627, 38.5652, 64.9383



36.7383, 38.5652, 80.2723



45.3319, 38.5652, 25.2079



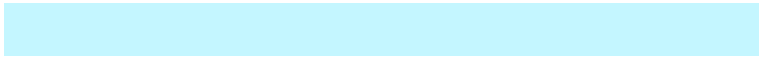
36.5719, 38.5652, 18.3538

Sweetspot

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



29.1639, 38.5666, 64.9392



73.8119, 84.8144, 107.0883



24.6236, 45.6859, 13.4835



15.2071, 17.7103, 22.8669



0.0000, 0.0000, 0.0000



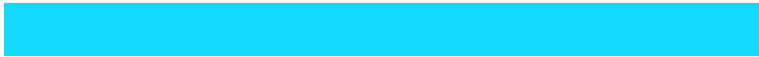
20.3446, 21.4041, 23.3091

Same Dimension

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



29.1639, 38.5666, 64.9392



43.3537, 57.4613, 103.4139



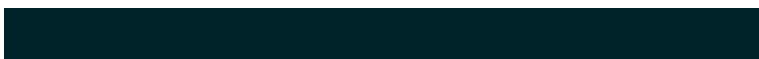
17.2866, 14.8119, 60.9801



11.9945, 13.0793, 15.1360



16.7693, 22.1851, 40.5908



0.9810, 1.3272, 2.2840

Inverse Universe

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



35.1932, 18.6771, 46.0075



54.1015, 26.7468, 68.6029



37.3132, 35.6058, 7.5966



12.2281, 11.9760, 14.4771



21.0951, 10.3109, 26.4706



1.2014, 0.5853, 1.5954

Previews

White Background



This preview shows how the XYZ color 29.1627, 38.5652, 64.9383 looks on a white background.

Color Contrast Check

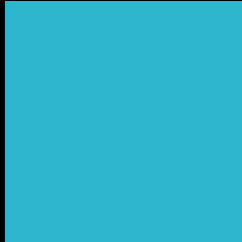
Large Text (above 18pt) WCAG AA × Fail

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 29.1627, 38.5652, 64.9383 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

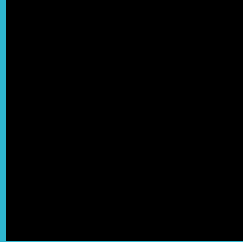
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 29.1627, 38.5652, 64.9383

Background



This preview shows how black text looks on a background with the XYZ color 29.1627, 38.5652, 64.9383.

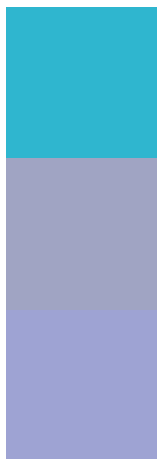


This preview shows how white text looks on a background with the XYZ color 29.1627, 38.5652,

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

29.1627, 38.5652, 64.9383

Protanopia

37.6230, 37.9646, 56.9747

Deuteranopia

38.9556, 38.1666, 66.9417



Tritanopia

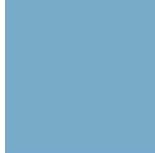
27.9632, 38.3755, 59.3595

Trichromacy



Original Color

29.1627, 38.5652, 64.9383



Protanomaly

32.4795, 37.1713, 59.4958



Deuteranomaly

33.4788, 37.2541, 66.3990



Tritanomaly

28.4309, 38.5763, 61.2058

Monochromacy



Original Color

29.1627, 38.5652, 64.9383



Achromatopsia

26.5089, 27.8894, 30.3716



Achromatomaly

25.5086, 30.4950, 41.1009

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.1627, 38.5652, 64.9383 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(47, 182, 207)` looks like.

```
.text, #text, p{  
    color:rgb(47, 182, 207)  
}
```

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(47, 182, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(47, 182, 207) }
```

Border

The CSS property to change the border of an element to XYZ 29.1627, 38.5652, 64.9383 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(47, 182, 207) }
```


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

```
.border{ border-color:rgb(47, 182, 207) }
```

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

Here you see how a box with a 4 pixel rgb(47, 182, 207) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(47, 182, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(47, 182, 207);  
box-shadow:4px 4px 4px 4px rgb(47, 182,  
207) }
```

Background

The CSS property to change the background color of an element to XYZ 29.1627, 38.5652, 64.9383 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(47, 182, 207) }
```

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

```
.background{ background-color: rgb(47, 182,  
207) }
```

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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