

Converting Colors

XYZ(28.9722, 36.0891, 60.1780)

Have a look what the booklet for
XYZ(28.9722, 36.0891, 60.1780)
contains.

XYZ(29.0411, 36.2361, 60.1072)	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(29.0411, 36.2361,
60.1072)**

Conversions

Conversions Part 1

Format	Color
Hex	52AEC8
RGB	82, 174, 200
RGB Percent	32%, 68%, 78%
CMY	0.6784, 0.3176, 0.2157
CMYK	0.59, 0.13, 0.00, 0.22
HSL	193°, 52%, 55%
HSV	193°, 59%, 78%
XYZ	29.0411, 36.2361, 60.1072
YIQ	149.4560, -63.1780, -11.4180

Conversions

Conversions Part 2

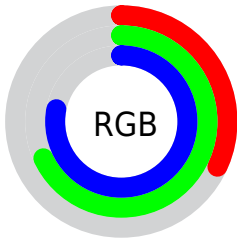
Format	Color
R _Y B	82, 134, 200
Decimal	5418696
CIE Lab	66.70, -19.70, -21.48
CIE LCh	67, 29.145, 227.476
Yxy	36.2361, 0.2316, 0.2890
Android (android.graphics.Color)	4283608776 (0xFF52AEC8)
YUV	149.4560, 24.9182, -59.1589
Hunter-Lab	60.1964, -19.2284, -17.0646

Details

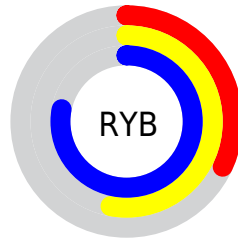
The XYZ color **29.0411, 36.2361, 60.1072** is a light color, and the websafe version is hex **0099CC**. The color can be described as light muted azure. A complement of this color would be **30.7060, 23.6150, 10.9237**, and the grayscale version is **28.6777, 30.1712, 32.8564**.

A 20% lighter version of the original color is **57.3313, 69.4763, 104.9963**, and **12.0257, 15.7501, 29.6004** is the 20% darker color. If you saturate the color by 10%, you get **26.7116, 33.7927, 59.7590**, and if you desaturate by 10%, it is **31.9077, 38.9993, 60.4901**.

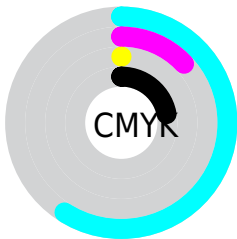
Distribution



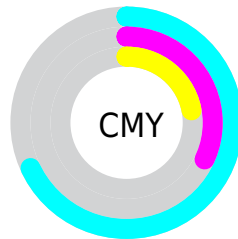
- Red (32%)
- Green (68%)
- Blue (78%)



- Red (32%)
- Yellow (53%)
- Blue (78%)



- Cyan (59%)
- Magenta (13%)
- Yellow (0%)
- Black (22%)



- Cyan (68%)
- Magenta (32%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.0411, 36.2361, 60.1072 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 29.0411, 36.2361, 60.1072 by changing the saturation by 10% instead.

■ 29.0411, 36.2361,
60.1072

■ 29.0411, 36.2361,
60.1072

289.3995,
329.9913, 442.8084

■ 19.2564, 24.6166,
43.0792

■ 57.5395, 69.3963,
106.5301

■ 11.9608, 15.7916,
29.6154

■ 76.9838, 91.7058,
136.7620

■ 6.7890, 9.3768,
19.2973

■ 100.3788,
118.3475, 172.2323

■ 3.3756, 4.9878,
11.7063

■ 128.0896,
149.7056, 213.3595

■ 1.3554, 2.2401,
6.4239

160.4818,
186.1647, 260.5622

■ 0.2241, 0.7417,
3.0316

197.9206,

■ 0.0000, 0.0000,

228.1091, 314.2589

1.1108

240.7714,
275.9231, 374.8681

■ 0.0000, 0.0000,
0.0000

■ 29.0411, 36.2361,
60.1072

■ 29.0411, 36.2361,
60.1072

■ 26.7116, 33.7927,
59.7590

■ 31.9077, 38.9993,
60.4901

■ 24.8698, 31.6411,
59.4408

■ 35.3480, 42.0994,
60.9072

■ 23.4633, 29.7546,
59.1508

■ 39.3996, 45.5569,
61.3610

■ 22.4022, 28.0864,
58.8847

■ 44.0956, 49.3891,
61.8532

■ 22.3028, 27.9249,
58.8588

■ 49.4667, 53.6124,
62.3853

■ 55.5416, 58.2418,
62.9587

■ 62.3473, 63.2918,
63.5747

■ 69.9094, 68.7757,
64.2346

■ 75.6269, 73.3531,
64.8168

Harmonies

Analogous

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



26.9954, 36.2361, 47.1759



29.0411, 36.2361, 60.1072



32.6417, 36.2361, 68.1000

Triad

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



29.0411, 36.2361, 60.1072



43.3641, 36.2361, 44.9374



31.9661, 36.2361, 20.5844

Complementary

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



29.0411, 36.2361, 60.1072



30.7060, 23.6150, 10.9237

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.



36.3059, 36.2361, 20.2357



29.0411, 36.2361, 60.1072



43.1441, 36.2361, 32.6260

Square

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



29.0411, 36.2361, 60.1072



41.0502, 36.2361, 58.1712



40.4726, 36.2361, 24.1751



28.5828, 36.2361, 25.2573

Rectangle

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



29.0411, 36.2361, 60.1072



35.5523, 36.2361, 68.6338



40.4726, 36.2361, 24.1751



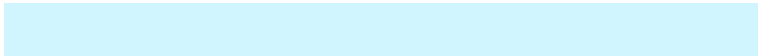
33.3538, 36.2361, 19.9995

Sweetspot

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



29.0423, 36.2374, 60.1081



76.9909, 86.0261, 107.1546



26.8188, 44.1768, 21.1817



15.9346, 17.9760, 22.8798



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.



29.0423, 36.2374, 60.1081



45.1982, 57.3299, 103.2913



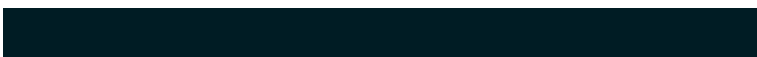
20.0865, 18.3260, 57.1228



10.7408, 11.6557, 13.6012



14.2494, 17.8926, 37.4470



0.7252, 0.9482, 1.7899

Inverse Universe

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



34.4777, 21.3712, 42.3536



55.9651, 31.0627, 67.4089



39.0829, 40.3687, 13.7160



10.9792, 10.7751, 12.8738



18.9918, 9.3463, 20.9642



0.9247, 0.4527, 1.1269

Previews

White Background



This preview shows how the XYZ color 29.0411, 36.2361, 60.1072 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 29.0411, 36.2361, 60.1072 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 29.0411, 36.2361, 60.1072

Background



This preview shows how black text looks on a background with the XYZ color 29.0411, 36.2361, 60.1072.



This preview shows how white text looks on a background with the XYZ color 29.0411, 36.2361,

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

29.0411, 36.2361, 60.1072

Protanopia

35.3826, 35.8279, 53.7658

Deuteranopia

36.5239, 35.7341, 61.4723



Tritanopia

27.9615, 36.3881, 54.2651

Trichromacy



Original Color

29.0411, 36.2361, 60.1072

Protanomaly

32.0948, 35.3945, 56.1792

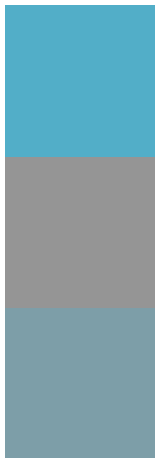
Deuteranomaly

32.8382, 35.4044, 60.9801

Tritanomaly

28.2920, 36.2173, 56.5384

Monochromacy



Original Color

29.0411, 36.2361, 60.1072

Achromatopsia

28.5667, 30.0544, 32.7292

Achromatomaly

27.7522, 31.6408, 41.6904

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.0411, 36.2361, 60.1072 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(82, 174, 200)` looks like.

```
.text, #text, p{  
    color:rgb(82, 174, 200)  
}
```

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(82, 174, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(82, 174, 200) }
```

Border

The CSS property to change the border of an element to XYZ 29.0411, 36.2361, 60.1072 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(82, 174, 200) }
```


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

```
.border{ border-color:rgb(82, 174, 200) }
```

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

Here you see how a box with a 4 pixel `rgb(82, 174, 200)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(82, 174, 200); -webkit-box-  
shadow:4px 4px 4px 4px rgb(82, 174, 200);  
box-shadow:4px 4px 4px 4px rgb(82, 174,  
200) }
```

Background

The CSS property to change the background color of an element to XYZ 29.0411, 36.2361, 60.1072 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(82, 174, 200) }
```

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

```
.background{ background-color: rgb(82, 174,  
200) }
```

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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