

Converting Colors

XYZ(29.1403, 35.3563, 66.3992)

Have a look what the booklet for
XYZ(29.1403, 35.3563, 66.3992)
contains.

XYZ(29.0974, 35.2748, 66.2479)	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(29.0974, 35.2748,
66.2479)**

Conversions

Conversions Part 1

Format	Color
Hex	4BABD2
RGB	75, 171, 210
RGB Percent	29%, 67%, 82%
CMY	0.7059, 0.3294, 0.1765
CMYK	0.64, 0.19, 0.00, 0.18
HSL	197°, 60%, 56%
HSV	197°, 64%, 82%
XYZ	29.0974, 35.2748, 66.2479
YIQ	146.7420, -69.7350, -8.2230

Conversions

Conversions Part 2

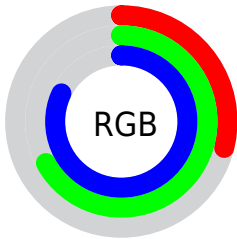
Format	Color
R_{YB}	75, 131, 210
Decimal	4959186
CIE _{Lab}	65.96, -16.30, -28.16
CIE _{LCh}	66, 32.537, 239.934
Yxy	35.2748, 0.2228, 0.2701
Android (android.graphics.Color)	4283149266 (0xFF4BABD2)
YUV	146.7420, 31.1862, -62.9177
Hunter-Lab	59.3926, -16.4870, -24.5587

Details

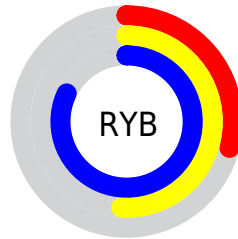
The XYZ color **29.0974, 35.2748, 66.2479** is a light color, and the websafe version is hex **3399CC**. The color can be described as light muted azure. A complement of this color would be **33.8669, 26.2459, 9.9389**, and the grayscale version is **27.5240, 28.9574, 31.5346**.

A 20% lighter version of the original color is **55.3997, 66.8470, 104.5906**, and **12.5132, 15.5602, 33.3543** is the 20% darker color. If you saturate the color by 10%, you get **26.5982, 32.3247, 65.8109**, and if you desaturate by 10%, it is **32.1935, 38.6120, 66.7295**.

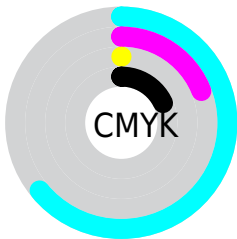
Distribution



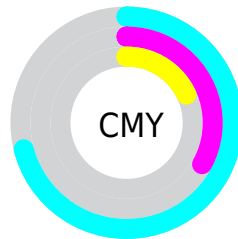
- Red (29%)
- Green (67%)
- Blue (82%)



- Red (29%)
- Yellow (51%)
- Blue (82%)



- Cyan (64%)
- Magenta (19%)
- Yellow (0%)
- Black (18%)



- Cyan (71%)
- Magenta (33%)
- Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.0974, 35.2748, 66.2479 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 29.0974, 35.2748, 66.2479 by changing the saturation by 10% instead.

■ 29.0974, 35.2748,
66.2479

■ 29.0974, 35.2748,
66.2479

289.6602,
325.7796, 465.6913

■ 19.2992, 23.8746,
48.0159

■ 57.6283, 67.9113,
115.4725

■ 11.9919, 15.2406,
33.4794

■ 77.0917, 89.9163,
147.3021

■ 6.8103, 8.9885,
22.2198

■ 100.5074,
116.2252, 184.5014

■ 3.3890, 4.7337,
13.8187

■ 128.2410,
147.2222, 227.4889

■ 1.3627, 2.0918,
7.8573

160.6577,
183.2917, 276.6831

■ 0.2294, 0.6600,
3.9173

198.1229,

■ 0.0000, 0.0000,

224.8182, 332.5025

1.5801

241.0019,
272.1861, 395.3657

■ 0.0000, 0.0000,
0.2766

■ 0.0000, 0.0000,
0.0000

■ 29.0974, 35.2748,
66.2479

■ 29.0974, 35.2748,
66.2479

■ 26.5982, 32.3247,
65.8109

■ 32.1935, 38.6120,
66.7295

■ 24.6360, 29.7278,
65.4130

■ 35.9317, 42.3587,
67.2557

■ 23.1436, 27.4491,
65.0519

■ 40.3567, 46.5396,
67.8295

■ 22.4333, 26.2537,
64.8586

■ 45.5082, 51.1760,
68.4529

■ 51.4223, 56.2877,
69.1278

■ 58.1331, 61.8930,
69.8561

■ 65.6723, 68.0093,
70.6393

■ 74.0697, 74.6528,
71.4790

■ 79.9616, 80.0904,
72.2180

Harmonies

Analogous

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



26.1235, 35.2748, 53.2260



29.0974, 35.2748, 66.2479



33.5169, 35.2748, 71.5158

Triad

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



29.0974, 35.2748, 66.2479



43.6706, 35.2748, 38.4390



29.1143, 35.2748, 19.6994

Complementary

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



29.0974, 35.2748, 66.2479



33.8669, 26.2459, 9.9389

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.



33.5384, 35.2748, 17.5177



29.0974, 35.2748, 66.2479



42.2133, 35.2748, 26.6325

Square

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



29.0974, 35.2748, 66.2479



42.2008, 35.2748, 53.2922



38.3862, 35.2748, 19.7191



26.1325, 35.2748, 26.5908

Rectangle

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



29.0974, 35.2748, 66.2479



36.7861, 35.2748, 69.1371



38.3862, 35.2748, 19.7191



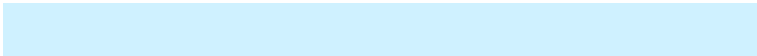
30.4675, 35.2748, 18.4765

Sweetspot

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



29.0986, 35.2761, 66.2488



75.1128, 83.3331, 106.7338



28.9441, 48.7879, 23.5898



15.5195, 17.3522, 22.7813



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.



29.0986, 35.2761, 66.2488



40.0902, 48.6536, 101.8858



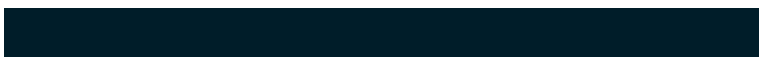
19.5113, 16.1016, 63.0530



11.8578, 12.8059, 15.0905



13.7738, 16.1943, 39.5923



0.8364, 1.0381, 2.2359

Inverse Universe

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



36.4461, 21.6753, 40.7921



53.0109, 28.4420, 56.2890



44.3225, 47.1570, 13.4241



12.1591, 11.9484, 14.1138



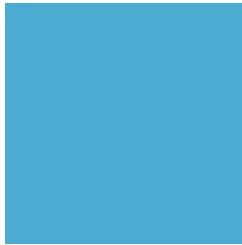
19.5831, 9.7061, 18.5088



1.1284, 0.5561, 1.2111

Previews

White Background



This preview shows how the XYZ color 29.0974, 35.2748, 66.2479 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 29.0974, 35.2748, 66.2479 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

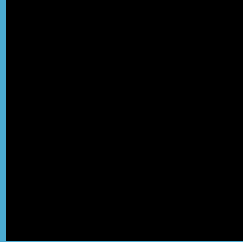
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 29.0974, 35.2748, 66.2479

Background



This preview shows how black text looks on a background with the XYZ color 29.0974, 35.2748, 66.2479.



This preview shows how white text looks on a background with the XYZ color 29.0974, 35.2748,

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

29.0974, 35.2748, 66.2479

Protanopia

35.0466, 35.0134, 59.5547

Deuteranopia

35.7443, 34.9378, 67.8105



Tritanopia

26.6296, 35.4241, 53.5781

Trichromacy



Original Color

29.0974, 35.2748, 66.2479

Protanomaly

32.0223, 34.6916, 62.1351

Deuteranomaly

32.5497, 34.5872, 67.2478

Tritanomaly

27.5980, 35.5323, 58.2272

Monochromacy



Original Color

29.0974, 35.2748, 66.2479

Achromatopsia

27.7328, 29.1771, 31.7738

Achromatomaly

27.0293, 30.7442, 42.5398

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.0974, 35.2748, 66.2479 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(75, 171, 210)` looks like.

```
.text, #text, p{  
    color:rgb(75, 171, 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(75, 171, 210) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(75, 171, 210) }
```

Border

The CSS property to change the border of an element to XYZ 29.0974, 35.2748, 66.2479 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(75, 171, 210) }
```


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

```
.border{ border-color:rgb(75, 171, 210) }
```

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

Here you see how a box with a 4 pixel `rgb(75, 171, 210)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(75, 171, 210); -webkit-box-  
shadow:4px 4px 4px 4px rgb(75, 171, 210);  
box-shadow:4px 4px 4px 4px rgb(75, 171,  
210) }
```

Background

The CSS property to change the background color of an element to XYZ 29.0974, 35.2748, 66.2479 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(75, 171, 210) }
```

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

```
.background{ background-color: rgb(75, 171,  
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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