

Converting Colors

XYZ(29.2375, 35.6184, 66.9705)

Have a look what the booklet for
XYZ(29.2375, 35.6184, 66.9705)
contains.

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Color

**XYZ(29.2580, 35.6247,
66.9622)**

Conversions

Conversions Part 1

Format	Color
Hex	49ACD3
RGB	73, 172, 211
RGB Percent	29%, 67%, 83%
CMY	0.7137, 0.3255, 0.1725
CMYK	0.65, 0.18, 0.00, 0.17
HSL	197°, 61%, 56%
HSV	197°, 65%, 83%
XYZ	29.2580, 35.6247, 66.9622
YIQ	146.8450, -71.5230, -8.8590

Conversions

Conversions Part 2

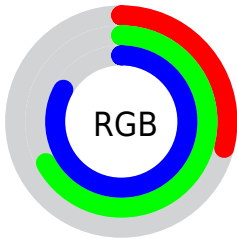
Format	Color
RYB	73, 131, 211
Decimal	4828371
CIELab	66.23, -16.85, -28.30
CIELCh	66, 32.935, 239.235
Yxy	35.6247, 0.2219, 0.2702
Android (android.graphics.Color)	4283018451 (0xFF49ACD3)
YUV	146.8450, 31.6284, -64.7621
Hunter-Lab	59.6864, -16.9514, -24.7369

Details

The XYZ color **29.2580, 35.6247, 66.9622** 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 **33.8618, 25.9196, 9.5228**, and the grayscale version is **27.5652, 29.0007, 31.5817**.

A 20% lighter version of the original color is **55.5108, 67.3091, 104.6740**, and **12.7172, 15.8332, 33.8383** is the 20% darker color. If you saturate the color by 10%, you get **26.8128, 32.7176, 66.5306**, and if you desaturate by 10%, it is **32.2986, 38.9157, 67.4379**.

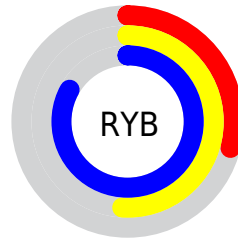
Distribution



Red (29%)

Green (67%)

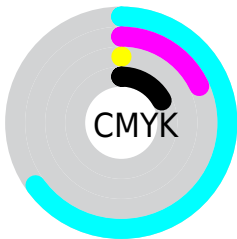
Blue (83%)



Red (29%)

Yellow (51%)

Blue (83%)

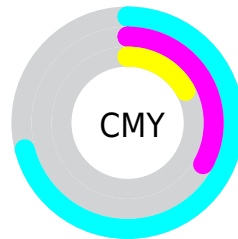


Cyan (65%)

Magenta (18%)

Yellow (0%)

Black (17%)



Cyan (71%)

Magenta (33%)

Yellow (17%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.2580, 35.6247, 66.9622 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 29.2580, 35.6247, 66.9622 by changing the saturation by 10% instead.

■ 29.2580, 35.6247,
66.9622

■ 29.2580, 35.6247,
66.9622

290.4026,
327.3172, 468.3080

■ 19.4213, 24.1445,
48.5925

■ 57.8815, 68.4524,
116.5064

■ 12.0809, 15.4408,
33.9330

■ 77.3990, 90.5687,
148.5179

■ 6.8714, 9.1294,
22.5652

■ 100.8742,
116.9991, 185.9139

■ 3.4274, 4.8257,
14.0705

■ 128.6724,
148.1281, 229.1127

■ 1.3836, 2.1453,
8.0304

161.1590,
184.3400, 278.5330

■ 0.2445, 0.6899,
4.0264

198.6993,

■ 0.0000, 0.0000,

226.0192, 334.5933

1.6398

241.6588,
273.5501, 397.7121

■ 0.0000, 0.0000,
0.3190

■ 0.0000, 0.0000,
0.0000

■ 29.2580, 35.6247,
66.9622

■ 29.2580, 35.6247,
66.9622

■ 26.8128, 32.7176,
66.5306

■ 32.2986, 38.9157,
67.4379

■ 24.9013, 30.1597,
66.1376

■ 35.9812, 42.6135,
67.9575

■ 23.4538, 27.9145,
65.7806

■ 40.3513, 46.7433,
68.5243

■ 22.8843, 26.9558,
65.6256

■ 45.4494, 51.3268,
69.1403

■ 51.3126, 56.3840,
69.8074

■ 57.9752, 61.9336,
70.5275

■ 65.4697, 67.9932,
71.3021

■ 73.8264, 74.5793,
72.1329

■ 80.1048, 80.1768,
72.8824

Harmonies

Analogous

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



26.2735, 35.6247, 53.5462



29.2580, 35.6247, 66.9622



33.7344, 35.6247, 72.5833

Triad

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



29.2580, 35.6247, 66.9622



44.2022, 35.6247, 39.1511



29.4563, 35.6247, 19.6591

Complementary

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



29.2580, 35.6247, 66.9622



33.8618, 25.9196, 9.5228

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.



33.9863, 35.6247, 17.5519



29.2580, 35.6247, 66.9622



42.7826, 35.6247, 27.0280

Square

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



29.2580, 35.6247, 66.9622



42.6356, 35.6247, 54.3245



38.9214, 35.6247, 19.8893



26.3800, 35.6247, 26.5400

Rectangle

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



29.2580, 35.6247, 66.9622



37.0660, 35.6247, 70.3193



38.9214, 35.6247, 19.8893



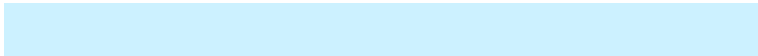
30.8448, 35.6247, 18.4550

Sweetspot

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



29.2592, 35.6260, 66.9631



74.2850, 82.7237, 106.6598



28.8466, 49.1273, 22.6585



15.3618, 17.2398, 22.7679



0.0000, 0.0000, 0.0000



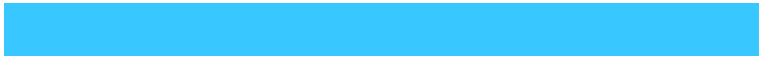
20.3446, 21.4041, 23.3091

Same Dimension

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



29.2592, 35.6260, 66.9631



40.0614, 48.8135, 101.9182



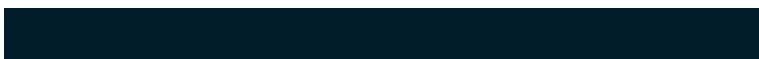
19.5787, 16.2650, 63.7362



11.8643, 12.8188, 15.0926



13.9013, 16.4492, 39.6348



0.8428, 1.0507, 2.2380

Inverse Universe

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



36.6939, 21.5937, 41.2651



52.9434, 28.2118, 56.5595



44.1476, 46.4912, 12.9514



12.1624, 11.9497, 14.1309



19.6475, 9.7318, 18.8476



1.1316, 0.5574, 1.2279

Previews

White Background



This preview shows how the XYZ color 29.2580, 35.6247, 66.9622 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 29.2580, 35.6247, 66.9622 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 29.2580, 35.6247, 66.9622

Background



This preview shows how black text looks on a background with the XYZ color 29.2580, 35.6247, 66.9622.

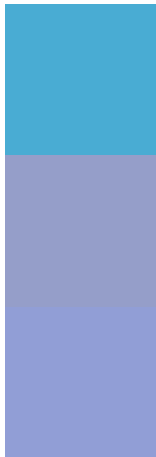


This preview shows how white text looks on a background with the XYZ color 29.2580, 35.6247,

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

29.2580, 35.6247, 66.9622

Protanopia

35.1639, 35.0603, 60.1723

Deuteranopia

36.0415, 35.3285, 68.5378



Tritanopia

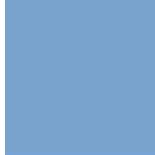
26.8062, 35.7925, 54.2110

Trichromacy



Original Color

29.2580, 35.6247, 66.9622



Protanomaly

32.0018, 34.6671, 62.7624



Deuteranomaly

32.7152, 34.9204, 67.9668



Tritanomaly

27.7698, 35.8954, 58.8910

Monochromacy



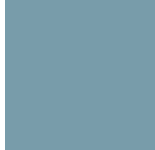
Original Color

29.2580, 35.6247, 66.9622



Achromatopsia

27.7328, 29.1771, 31.7738



Achromatomaly

26.8899, 30.6723, 42.5333

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.2580, 35.6247, 66.9622 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(73, 172, 211)` looks like.

```
.text, #text, p{  
    color:rgb(73, 172, 211)  
}
```

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(73, 172, 211) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(73, 172, 211) }
```

Border

The CSS property to change the border of an element to XYZ 29.2580, 35.6247, 66.9622 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(73, 172, 211) }
```


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

```
.border{ border-color:rgb(73, 172, 211) }
```

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

Here you see how a box with a 4 pixel `rgb(73, 172, 211)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(73, 172, 211); -webkit-box-  
shadow:4px 4px 4px 4px rgb(73, 172, 211);  
box-shadow:4px 4px 4px 4px rgb(73, 172,  
211) }
```

Background

The CSS property to change the background color of an element to XYZ 29.2580, 35.6247, 66.9622 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(73, 172, 211) }
```

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

```
.background{ background-color: rgb(73, 172,  
211) }
```

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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