

Converting Colors

XYZ(29.7093, 36.2262, 63.1841)

Have a look what the booklet for
XYZ(29.7093, 36.2262, 63.1841)
contains.

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Color

**XYZ(29.7093, 36.2262,
63.1841)**

Conversions

Conversions Part 1

Format	Color
Hex	55ADCD
RGB	85, 173, 205
RGB Percent	33%, 68%, 80%
CMY	0.6666, 0.3216, 0.1961
CMYK	0.59, 0.16, 0.00, 0.20
HSL	196°, 55%, 57%
HSV	196°, 59%, 80%
XYZ	29.7093, 36.2262, 63.1841
YIQ	150.3360, -62.7200, -8.7040

Conversions

Conversions Part 2

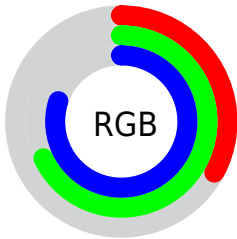
Format	Color
R_{YB}	85, 136, 205
Decimal	5615053
CIE _{Lab}	66.69, -17.10, -24.25
CIE _{LCh}	67, 29.672, 234.800
Yxy	36.2262, 0.2301, 0.2806
Android (android.graphics.Color)	4283805133 (0xFF55ADCD)
YUV	150.3360, 26.9494, -57.2997
Hunter-Lab	60.1882, -17.2206, -20.1094

Details

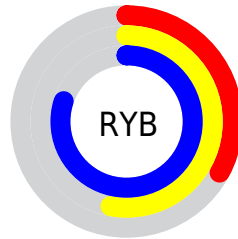
The XYZ color **29.7093, 36.2262, 63.1841** is a light color, and the websafe version is hex **3399CC**. The color can be described as light muted azure. A complement of this color would be **33.1788, 26.3588, 11.9346**, and the grayscale version is **29.0414, 30.5538, 33.2731**.

A 20% lighter version of the original color is **57.5709, 69.1879, 104.9280**, and **12.4233, 15.9091, 31.6941** is the 20% darker color. If you saturate the color by 10%, you get **27.0841, 33.3491, 62.7678**, and if you desaturate by 10%, it is **32.9188, 39.4697, 63.6417**.

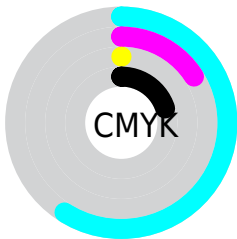
Distribution



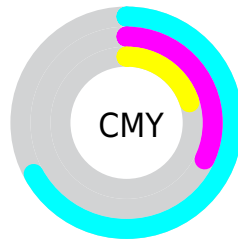
- Red (33%)
- Green (68%)
- Blue (80%)



- Red (33%)
- Yellow (53%)
- Blue (80%)



- Cyan (59%)
- Magenta (16%)
- Yellow (0%)
- Black (20%)



- Cyan (67%)
- Magenta (32%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.7093, 36.2262, 63.1841 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 29.7093, 36.2262, 63.1841 by changing the saturation by 10% instead.

■ 29.7093, 36.2262,
63.1841

■ 29.7093, 36.2262,
63.1841

292.4813,
329.9481, 454.3636

■ 19.7650, 24.6089,
45.5482

■ 58.5919, 69.3811,
111.0232

■ 12.3316, 15.7859,
31.5434

■ 78.2610, 91.6874,
142.0635

■ 7.0437, 9.3728,
20.7510

■ 101.9024,
118.3257, 178.4090

■ 3.5360, 4.9851,
12.7527

■ 129.8814,
149.6801, 220.4783

■ 1.4432, 2.2385,
7.1297

162.5635,
186.1352, 268.6898

■ 0.2867, 0.7409,
3.4637

200.3139,

■ 0.0000, 0.0000,

228.0753, 323.4622

1.3360

243.4980,
275.8848, 385.2140

■ 0.0000, 0.0000,
0.0910

■ 0.0000, 0.0000,
0.0000

■ 29.7093, 36.2262,
63.1841

■ 29.7093, 36.2262,
63.1841

■ 27.0841, 33.3491,
62.7678

■ 32.9188, 39.4697,
63.6417

■ 24.9911, 30.8085,
62.3877

■ 36.7518, 43.0983,
64.1400

■ 23.3745, 28.5757,
62.0420

■ 41.2481, 47.1339,
64.6820

■ 22.1457, 26.6043,
61.7262

■ 46.4430, 51.5956,
65.2694

■ 21.9794, 26.3275,
61.6815

■ 52.3693, 56.5009,
65.9039

■ 59.0576, 61.8662,
66.5870

■ 66.5366, 67.7071,
67.3202

■ 74.8337, 74.0384,
68.1049

■ 78.4346, 78.0180,
68.6833

Harmonies

Analogous

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



27.2010, 36.2262, 50.7020



29.7093, 36.2262, 63.1841



33.6585, 36.2262, 69.4038

Triad

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



29.7093, 36.2262, 63.1841



43.7250, 36.2262, 41.7183



30.9495, 36.2262, 21.0461

Complementary

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



29.7093, 36.2262, 63.1841



33.1788, 26.3588, 11.9346

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.



35.2171, 36.2262, 19.6507



29.7093, 36.2262, 63.1841



42.8426, 36.2262, 29.9898

Square

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



29.7093, 36.2262, 63.1841



41.9473, 36.2262, 55.4107



39.6302, 36.2262, 22.5487



27.8724, 36.2262, 26.8835

Rectangle

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



29.7093, 36.2262, 63.1841



36.6756, 36.2262, 68.3659



39.6302, 36.2262, 22.5487



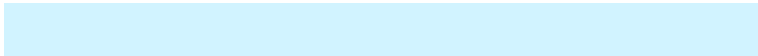
32.2817, 36.2262, 20.1039

Sweetspot

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



29.7105, 36.2275, 63.1850



76.3516, 84.7476, 106.9415



28.6732, 46.8326, 23.7494



15.7772, 17.6612, 22.8274



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.



29.7105, 36.2275, 63.1850



43.4803, 53.5970, 102.6613



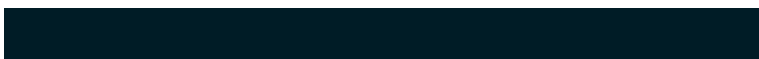
20.8977, 18.6019, 60.2474



11.2804, 12.2012, 14.3309



13.7645, 16.5529, 38.4258



0.7703, 0.9744, 2.0024

Inverse Universe

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



35.9692, 22.4944, 41.9826



55.1705, 31.0227, 62.3686



42.1475, 44.2961, 14.9241



11.5549, 11.3507, 13.4566



19.1586, 9.4740, 19.0855



1.0188, 0.5009, 1.1447

Previews

White Background



This preview shows how the XYZ color 29.7093, 36.2262, 63.1841 looks on a white background.

Color Contrast Check

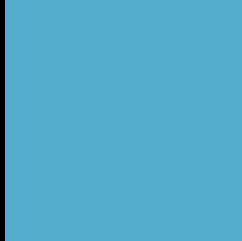
Large Text (above 18pt) WCAG AA × Fail

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 29.7093, 36.2262, 63.1841 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

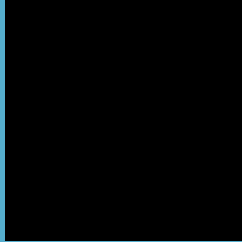
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 29.7093, 36.2262, 63.1841

Background



This preview shows how black text looks on a background with the XYZ color 29.7093, 36.2262, 63.1841.



This preview shows how white text looks on a background with the XYZ color 29.7093, 36.2262,

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

29.7093, 36.2262, 63.1841

Protanopia

35.6715, 35.8994, 57.2737

Deuteranopia

36.5609, 35.6832, 64.6351



Tritanopia

28.0440, 36.4306, 54.2689

Trichromacy



Original Color

29.7093, 36.2262, 63.1841

Protanomaly

32.6660, 35.6230, 59.1871

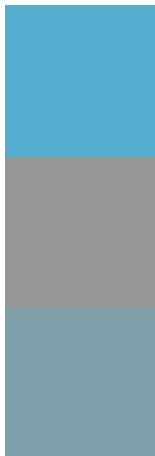
Deuteranomaly

33.2618, 35.2886, 64.0898

Tritanomaly

28.5736, 36.3494, 57.1399

Monochromacy



Original Color

29.7093, 36.2262, 63.1841

Achromatopsia

28.9890, 30.4987, 33.2131

Achromatomaly

28.0867, 31.7916, 42.6863

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.7093, 36.2262, 63.1841 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(85, 173, 205)` looks like.

```
.text, #text, p{  
    color:rgb(85, 173, 205)  
}
```

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(85, 173, 205) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(85, 173, 205) }
```

Border

The CSS property to change the border of an element to XYZ 29.7093, 36.2262, 63.1841 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(85, 173, 205) }
```


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

```
.border{ border-color:rgb(85, 173, 205) }
```

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

Here you see how a box with a 4 pixel `rgb(85, 173, 205)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(85, 173, 205); -webkit-box-  
shadow:4px 4px 4px 4px rgb(85, 173, 205);  
box-shadow:4px 4px 4px 4px rgb(85, 173,  
205) }
```

Background

The CSS property to change the background color of an element to XYZ 29.7093, 36.2262, 63.1841 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(85, 173, 205) }
```

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

```
.background{ background-color: rgb(85, 173,  
205) }
```

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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