

Converting Colors

XYZ(29.9531, 36.0260, 56.1621)

Have a look what the booklet for
XYZ(29.9531, 36.0260, 56.1621)
contains.

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Color

**XYZ(29.8940, 35.9044,
56.3936)**

Conversions

Conversions Part 1

Format	Color
Hex	67ABC2
RGB	103, 171, 194
RGB Percent	40%, 67%, 76%
CMY	0.5961, 0.3294, 0.2392
CMYK	0.47, 0.12, 0.00, 0.24
HSL	195°, 43%, 58%
HSV	195°, 47%, 76%
XYZ	29.8940, 35.9044, 56.3936
YIQ	153.2900, -47.9110, -7.2630

Conversions

Conversions Part 2

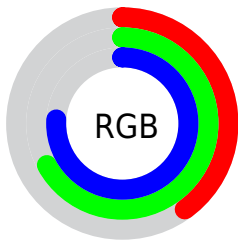
Format	Color
R _{YB}	103, 142, 194
Decimal	6794178
CIE _{Lab}	66.45, -15.34, -18.47
CIE _{LCh}	66, 24.008, 230.276
Y _{xy}	35.9044, 0.2446, 0.2938
Android (android.graphics.Color)	4284984258 (0xFF67ABC2)
YUV	153.2900, 20.0700, -44.1043
Hunter-Lab	59.9203, -15.8075, -13.8562

Details

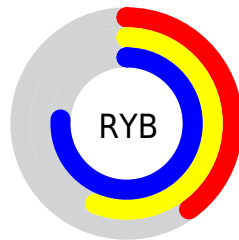
The XYZ color **29.8940, 35.9044, 56.3936** is a light color, and the websafe version is hex **669999**. A complement of this color would be **32.1579, 27.3711, 16.4212**, and the grayscale version is **30.3357, 31.9156, 34.7560**.

A 20% lighter version of the original color is **58.9070, 68.7287, 101.4280**, and **12.4572, 15.6679, 27.1786** is the 20% darker color. If you saturate the color by 10%, you get **27.0129, 33.0704, 55.9991**, and if you desaturate by 10%, it is **33.3280, 39.0760, 56.8254**.

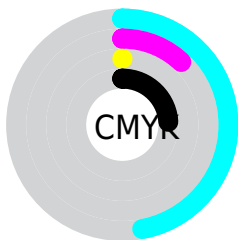
Distribution



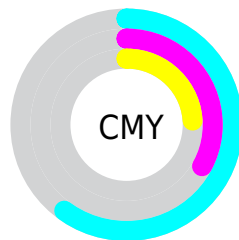
- Red (40%)
- Green (67%)
- Blue (76%)



- Red (40%)
- Yellow (56%)
- Blue (76%)



- Cyan (47%)
- Magenta (12%)
- Yellow (0%)
- Black (24%)



- Cyan (60%)
- Magenta (33%)
- Yellow (24%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.8940, 35.9044, 56.3936 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 29.8940, 35.9044, 56.3936 by changing the saturation by 10% instead.

■ 29.8940, 35.9044,
56.3936

■ 29.8940, 35.9044,
56.3936

■ 293.3288,
328.5425, 428.6031

■ 19.9058, 24.3604,
40.1125

■ 58.8823, 68.8845,
101.0714

■ 12.4345, 15.6012,
27.3118

■ 78.6131, 91.0893,
130.3051

■ 7.1146, 9.2424,
17.5730

■ 102.3222,
117.6166, 164.6934

■ 3.5808, 4.8996,
10.4776

■ 130.3748,
148.8506, 204.6549

■ 1.4678, 2.1885,
5.6070

■ 163.1365,
185.1758, 250.6080

■ 0.3038, 0.7137,
2.5428

■ 200.9724,

■ 0.0000, 0.0000,

226.9766, 302.9714

0.8627

244.2481,
274.6374, 362.1636

■ 0.0000, 0.0000,
0.0000

■ 29.8940, 35.9044,
56.3936

■ 29.8940, 35.9044,
56.3936

■ 27.0129, 33.0704,
55.9991

■ 33.3280, 39.0760,
56.8254

■ 24.6446, 30.5504,
55.6375

■ 37.3445, 42.5987,
57.2937

■ 22.7491, 28.3241,
55.3077

■ 41.9752, 46.4900,
57.8007

■ 21.2782, 26.3660,
55.0073

■ 47.2481, 50.7651,
58.3480

■ 20.1670, 24.6422,
54.7331

■ 53.1898, 55.4380,
58.9368

■ 19.8586, 24.1367,
54.6518

■ 59.8250, 60.5220,
59.5684

■ 67.1774, 66.0299,
60.2440

■ 74.0806, 71.3608,
60.9091

■ 75.3115, 73.8226,
61.3194

Harmonies

Analogous

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



28.0407, 35.9044, 46.3679



29.8940, 35.9044, 56.3936



32.9712, 35.9044, 62.0476

Triad

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



29.8940, 35.9044, 56.3936



41.4071, 35.9044, 42.5356



31.7849, 35.9044, 23.3015

Complementary

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



29.8940, 35.9044, 56.3936



32.1579, 27.3711, 16.4212

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.



35.3076, 35.9044, 22.6400



29.8940, 35.9044, 56.3936



41.0337, 35.9044, 32.6233

Square

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



29.8940, 35.9044, 56.3936



39.7269, 35.9044, 53.1683



38.7398, 35.9044, 25.7521



29.0780, 35.9044, 27.7520

Rectangle

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



29.8940, 35.9044, 56.3936



35.3749, 35.9044, 62.0024



38.7398, 35.9044, 25.7521



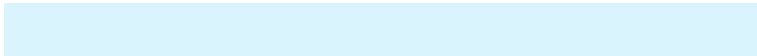
32.9070, 35.9044, 22.6631

Sweetspot

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



29.8951, 35.9058, 56.3944



78.4949, 86.2364, 104.9779



28.6360, 42.9678, 26.4396



16.7488, 18.5233, 22.9425



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.



29.8951, 35.9058, 56.3944



48.9483, 59.9230, 101.4562



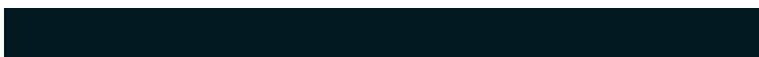
22.7610, 21.6375, 54.0164



10.1461, 10.9834, 12.8701



13.1244, 16.0054, 35.9542



0.6194, 0.7962, 1.5709

Inverse Universe

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



34.4500, 24.1111, 41.3677



58.4890, 37.1607, 69.5450



39.3073, 41.6699, 18.8043



10.3850, 10.2026, 12.1180



18.0206, 8.8980, 18.5523



0.8050, 0.3950, 0.9407

Previews

White Background



This preview shows how the XYZ color 29.8940, 35.9044, 56.3936 looks on a white background.

Color Contrast Check

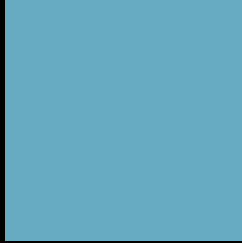
Large Text (above 18pt) WCAG AA × Fail

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 29.8940, 35.9044, 56.3936 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

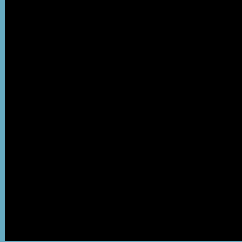
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 29.8940, 35.9044, 56.3936

Background



This preview shows how black text looks on a background with the XYZ color 29.8940, 35.9044, 56.3936.



This preview shows how white text looks on a background with the XYZ color 29.8940, 35.9044,

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

29.8940, 35.9044, 56.3936

Protanopia

34.9714, 35.4094, 51.4459

Deuteranopia

36.2356, 35.4143, 57.7491



Tritanopia

28.9823, 35.8169, 51.8402

Trichromacy



Original Color

29.8940, 35.9044, 56.3936

Protanomaly

32.5990, 35.1869, 53.2177

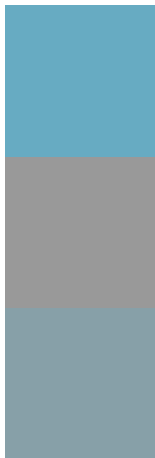
Deuteranomaly

33.3654, 35.2295, 57.2660

Tritanomaly

29.4173, 36.0040, 53.5431

Monochromacy



Original Color

29.8940, 35.9044, 56.3936

Achromatopsia

30.2779, 31.8547, 34.6897

Achromatomaly

29.6304, 33.1197, 41.8768

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.8940, 35.9044, 56.3936 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(103, 171, 194)` looks like.

```
.text, #text, p{  
    color:rgb(103, 171, 194)  
}
```

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(103, 171, 194) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 171, 194) }
```

Border

The CSS property to change the border of an element to XYZ 29.8940, 35.9044, 56.3936 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(103, 171, 194) }
```


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

```
.border{ border-color:rgb(103, 171, 194) }
```

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

Here you see how a box with a 4 pixel `rgb(103, 171, 194)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(103, 171, 194); -webkit-box-  
shadow:4px 4px 4px 4px rgb(103, 171, 194);  
box-shadow:4px 4px 4px 4px rgb(103, 171,  
194) }
```

Background

The CSS property to change the background color of an element to XYZ 29.8940, 35.9044, 56.3936 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 171, 194) }
```

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

```
.background{ background-color: rgb(103,  
171, 194) }
```

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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