

Converting Colors

XYZ(29.5939, 35.4833, 55.7413)

Have a look what the booklet for
XYZ(29.5939, 35.4833, 55.7413)
contains.

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Color

**XYZ(29.5939, 35.4833,
55.7413)**

Conversions

Conversions Part 1

Format	Color
Hex	67AAC1
RGB	103, 170, 193
RGB Percent	40%, 67%, 76%
CMY	0.5961, 0.3333, 0.2431
CMYK	0.47, 0.12, 0.00, 0.24
HSL	195°, 42%, 58%
HSV	195°, 47%, 76%
XYZ	29.5939, 35.4833, 55.7413
YIQ	152.5890, -47.3150, -7.0510

Conversions

Conversions Part 2

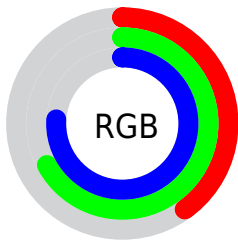
Format	Color
RYB	103, 141, 193
Decimal	6793921
CIELab	66.12, -15.09, -18.40
CIElCh	66, 23.798, 230.647
Yxy	35.4833, 0.2449, 0.2937
Android (android.graphics.Color)	4284984001 (0xFF67AAC1)
YUV	152.5890, 19.9226, -43.4896
Hunter-Lab	59.5679, -15.5632, -13.7838

Details

The XYZ color **29.5939, 35.4833, 55.7413** is a light color, and the websafe version is hex **669999**. A complement of this color would be **31.9021, 27.2392, 16.4093**, and the grayscale version is **30.0318, 31.5958, 34.4078**.

A 20% lighter version of the original color is **58.3222, 68.0609, 99.6857**, and **12.2653, 15.4018, 26.7525** is the 20% darker color. If you saturate the color by 10%, you get **26.7234, 32.6573, 55.3478**, and if you desaturate by 10%, it is **33.0123, 38.6447, 56.1720**.

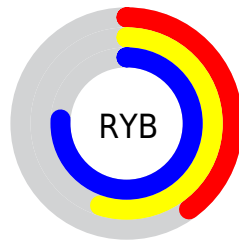
Distribution



Red (40%)

Green (67%)

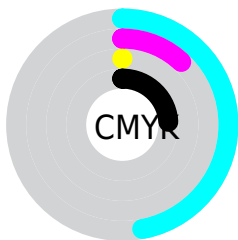
Blue (76%)



Red (40%)

Yellow (55%)

Blue (76%)

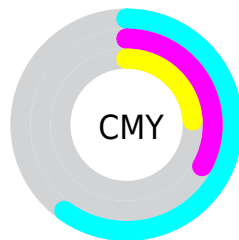


Cyan (47%)

Magenta (12%)

Yellow (0%)

Black (24%)



Cyan (60%)

Magenta (33%)

Yellow (24%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.5939, 35.4833, 55.7413 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 29.5939, 35.4833, 55.7413 by changing the saturation by 10% instead.

■ 29.5939, 35.4833,
55.7413

■ 29.5939, 35.4833,
55.7413

291.9508,
326.6965, 426.0767

■ 19.6771, 24.0354,
39.5929

■ 58.4104, 68.2338,
100.1082

■ 12.2674, 15.3599,
26.9099

■ 78.0408, 90.3052,
129.1639

■ 6.9996, 9.0724,
17.2738

■ 101.6398,
116.6866, 163.3591

■ 3.5082, 4.7884,
10.2658

■ 129.5727,
147.7623, 203.1123

■ 1.4278, 2.1237,
5.4677

162.2049,
183.9167, 248.8422

■ 0.2759, 0.6779,
2.4607

199.9018,

■ 0.0000, 0.0000,

225.5343, 300.9672

0.8192

243.0286,
272.9994, 359.9058

■ 0.0000, 0.0000,
0.0000

■ 29.5939, 35.4833,
55.7413

■ 29.5939, 35.4833,
55.7413

■ 26.7234, 32.6573,
55.3478

■ 33.0123, 38.6447,
56.1720

■ 24.3614, 30.1437,
54.9871

■ 37.0077, 42.1550,
56.6389

■ 22.4683, 27.9221,
54.6580

■ 41.6114, 46.0313,
57.1445

■ 20.9970, 25.9678,
54.3584

■ 46.8510, 50.2887,
57.6901

■ 19.8850, 24.2480,
54.0850

■ 52.7528, 54.9409,
58.2770

■ 19.5508, 23.7003,
53.9969

■ 59.3411, 60.0013,
58.9065

■ 66.6392, 65.4823,
59.5798

■ 73.7790, 70.9369,
60.2563

■ 75.0115, 73.4017,
60.6672

Harmonies

Analogous

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



27.7527, 35.4833, 45.9195



29.5939, 35.4833, 55.7413



32.6324, 35.4833, 61.2209

Triad

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



29.5939, 35.4833, 55.7413



40.8925, 35.4833, 41.8884



31.3837, 35.4833, 23.1226

Complementary

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



29.5939, 35.4833, 55.7413



31.9021, 27.2392, 16.4093

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.



34.8434, 35.4833, 22.4251



29.5939, 35.4833, 55.7413



40.4998, 35.4833, 32.1652

Square

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



29.5939, 35.4833, 55.7413



39.2637, 35.4833, 52.3511



38.2255, 35.4833, 25.4447



28.7348, 35.4833, 27.5524

Rectangle

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



29.5939, 35.4833, 55.7413



34.9982, 35.4833, 61.1171



38.2255, 35.4833, 25.4447



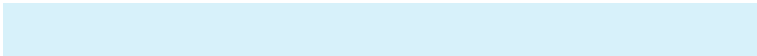
32.4846, 35.4833, 22.4783

Sweetspot

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



29.5950, 35.4847, 55.7421



76.6820, 84.2166, 102.5741



28.3981, 42.5178, 26.2811



16.0327, 17.7232, 21.9612



92.9021, 97.7402, 106.4391



19.4759, 20.4902, 22.3138

Same Dimension

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



29.5950, 35.4847, 55.7421



47.7461, 58.3711, 99.1106



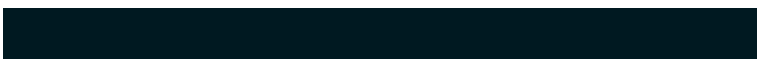
22.6172, 21.5291, 53.4162



10.1436, 10.9785, 12.8693



13.0703, 15.8971, 35.9362



0.6174, 0.7923, 1.5703

Inverse Universe

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



34.0992, 23.9413, 40.8556



57.1150, 36.3100, 67.7091



38.9100, 41.2549, 18.7452



10.3838, 10.2021, 12.1116



17.9932, 8.8871, 18.4083



0.8040, 0.3946, 0.9354

Previews

White Background



This preview shows how the XYZ color 29.5939, 35.4833, 55.7413 looks on a white background.

Color Contrast Check

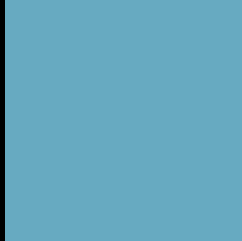
Large Text (above 18pt) WCAG AA × Fail

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 29.5939, 35.4833, 55.7413 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 29.5939, 35.4833, 55.7413

Background



This preview shows how black text looks on a background with the XYZ color 29.5939, 35.4833, 55.7413.



This preview shows how white text looks on a background with the XYZ color 29.5939, 35.4833,

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

29.5939, 35.4833, 55.7413

Protanopia

34.6727, 35.2676, 50.8788

Deuteranopia

35.9254, 35.2676, 57.1384



Tritanopia

28.6867, 35.3953, 51.2190

Trichromacy



Original Color

29.5939, 35.4833, 55.7413

Protanomaly

32.3276, 35.0595, 52.6403

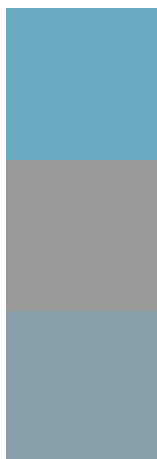
Deuteranomaly

33.0872, 35.0992, 56.6607

Tritanomaly

29.1195, 35.5814, 52.9101

Monochromacy



Original Color

29.5939, 35.4833, 55.7413

Achromatopsia

30.2779, 31.8547, 34.6897

Achromatomaly

29.4577, 32.7743, 41.8193

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.5939, 35.4833, 55.7413 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, 170, 193)` looks like.

```
.text, #text, p{  
    color:rgb(103, 170, 193)  
}
```

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, 170, 193) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 170, 193) }
```

Border

The CSS property to change the border of an element to XYZ 29.5939, 35.4833, 55.7413 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, 170, 193) }
```


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

```
.border{ border-color:rgb(103, 170, 193) }
```

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

Here you see how a box with a 4 pixel `rgb(103, 170, 193)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(103, 170, 193); -webkit-box-  
shadow:4px 4px 4px 4px rgb(103, 170, 193);  
box-shadow:4px 4px 4px 4px rgb(103, 170,  
193) }
```

Background

The CSS property to change the background color of an element to XYZ 29.5939, 35.4833, 55.7413 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 170, 193) }
```

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

```
.background{ background-color: rgb(103,  
170, 193) }
```

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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