

Converting Colors

XYZ(28.5942, 32.3165, 65.7034)

Have a look what the booklet for
XYZ(28.5942, 32.3165, 65.7034)
contains.

XYZ(28.5942, 32.3165, 65.7034)	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(28.5942, 32.3165,
65.7034)**

Conversions

Conversions Part 1

Format	Color
Hex	5AA1D2
RGB	90, 161, 210
RGB Percent	35%, 63%, 82%
CMY	0.6470, 0.3686, 0.1765
CMYK	0.57, 0.23, 0.00, 0.18
HSL	205°, 57%, 59%
HSV	205°, 57%, 82%
XYZ	28.5942, 32.3165, 65.7034
YIQ	145.3570, -58.0450, 0.1870

Conversions

Conversions Part 2

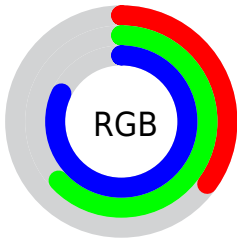
Format	Color
R_{YB}	90, 135, 210
Decimal	5939666
CIE _{Lab}	63.60, -8.09, -31.76
CIE _{LCh}	64, 32.774, 255.710
Yxy	32.3165, 0.2258, 0.2552
Android (android.graphics.Color)	4284129746 (0xFF5AA1D2)
YUV	145.3570, 31.8690, -48.5481
Hunter-Lab	56.8476, -9.6983, -28.7330

Details

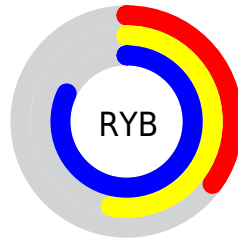
The XYZ color **28.5942, 32.3165, 65.7034** is a light color, and the websafe version is hex **6699CC**. The color can be described as light muted azure. A complement of this color would be **37.6578, 32.9069, 14.0412**, and the grayscale version is **26.9512, 28.3548, 30.8784**.

A 20% lighter version of the original color is **54.8186, 62.6276, 103.8068**, and **11.7418, 13.6470, 33.0256** is the 20% darker color. If you saturate the color by 10%, you get **25.3853, 28.5139, 65.1392**, and if you desaturate by 10%, it is **32.4850, 36.6244, 66.3305**.

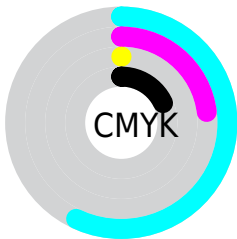
Distribution



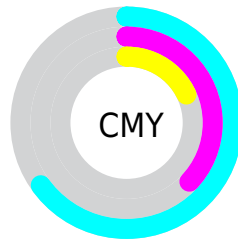
- Red (35%)
- Green (63%)
- Blue (82%)



- Red (35%)
- Yellow (53%)
- Blue (82%)



- Cyan (57%)
- Magenta (23%)
- Yellow (0%)
- Black (18%)



- Cyan (65%)
- Magenta (37%)
- Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 28.5942, 32.3165, 65.7034 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 28.5942, 32.3165, 65.7034 by changing the saturation by 10% instead.

■ 28.5942, 32.3165,
65.7034

■ 28.5942, 32.3165,
65.7034

287.3243,
312.5585, 463.6906

■ 18.9168, 21.6034,
47.5767

■ 56.8338, 63.3069,
114.6835

■ 11.7138, 13.5657,
33.1342

■ 76.1266, 84.3530,
146.3739

■ 6.6199, 7.8193,
21.9573

■ 99.3553, 109.6122,
183.4227

■ 3.2698, 3.9795,
13.6275

■ 126.8853,
139.4689, 226.2484

■ 1.2980, 1.6621,
7.7263

159.0818,
174.3075, 275.2695

■ 0.1817, 0.3989,
3.8351

196.3102,

■ 0.0000, 0.0000,

214.5123, 330.9045

1.5353

238.9359,
260.4679, 393.5720

■ 0.0000, 0.0000,
0.2440

■ 0.0000, 0.0000,
0.0000

■ 28.5942, 32.3165,
65.7034

■ 28.5942, 32.3165,
65.7034

■ 25.3853, 28.5139,
65.1392

■ 32.4850, 36.6244,
66.3305

■ 22.8030, 25.1833,
64.6324

■ 37.1005, 41.4608,
67.0207

■ 20.7877, 22.2915,
64.1804

■ 42.4838, 46.8514,
67.7775

■ 19.2590, 19.7936,
63.7789

■ 48.6732, 52.8188,
68.6031

■ 18.8718, 19.1309,
63.6714

■ 55.7044, 59.3841,
69.4997

■ 63.6110, 66.5673,
70.4695

■ 72.4245, 74.3871,
71.5143

■ 81.0597, 82.2867,
72.5840

■ 83.4997, 87.1667,
73.3973

Harmonies

Analogous

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



24.9706, 32.3165, 56.4912



28.5942, 32.3165, 65.7034



33.1613, 32.3165, 65.4584

Triad

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



28.5942, 32.3165, 65.7034



39.9917, 32.3165, 28.7935



24.8364, 32.3165, 20.3571

Complementary

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



28.5942, 32.3165, 65.7034



37.6578, 32.9069, 14.0412

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.



28.3937, 32.3165, 16.0720



28.5942, 32.3165, 65.7034



37.2810, 32.3165, 20.0518

Square

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



28.5942, 32.3165, 65.7034



40.0591, 32.3165, 41.7829



32.9400, 32.3165, 15.9763



22.9516, 32.3165, 29.3249

Rectangle

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



28.5942, 32.3165, 65.7034



36.1451, 32.3165, 59.8802



32.9400, 32.3165, 15.9763



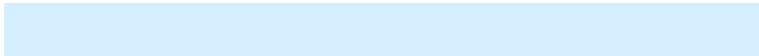
25.8595, 32.3165, 18.4314

Sweetspot

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



28.5953, 32.3177, 65.7042



75.4712, 81.9064, 106.4395



31.8517, 50.1027, 32.0384



15.7144, 17.1131, 22.7249



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.



28.5953, 32.3177, 65.7042



38.2435, 42.8142, 100.8561



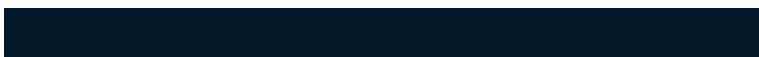
20.6020, 16.3311, 63.0398



11.7367, 12.5637, 15.0501



11.6125, 11.8716, 38.8719



0.7263, 0.8177, 2.1991

Inverse Universe

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



36.6685, 23.5885, 36.3396



52.6027, 30.2844, 47.9558



48.6188, 54.8289, 17.6949



12.0980, 11.9239, 13.7919



18.4922, 9.2697, 12.7638



1.0728, 0.5338, 0.9183

Previews

White Background



This preview shows how the XYZ color 28.5942, 32.3165, 65.7034 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 28.5942, 32.3165, 65.7034 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

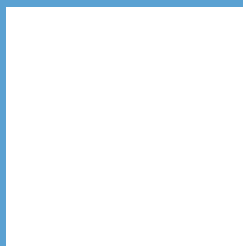
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 28.5942, 32.3165, 65.7034

Background



This preview shows how black text looks on a background with the XYZ color 28.5942, 32.3165, 65.7034.

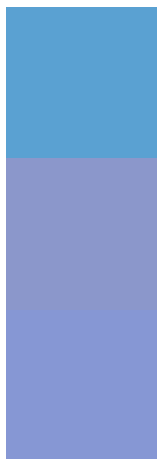


This preview shows how white text looks on a background with the XYZ color 28.5942, 32.3165,

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

28.5942, 32.3165, 65.7034

Protanopia

32.4936, 31.9340, 60.9512

Deuteranopia

32.7818, 31.9550, 66.7275



Tritanopia

25.0163, 32.1874, 48.0743

Trichromacy



Original Color

28.5942, 32.3165, 65.7034

Protanomaly

30.7471, 31.9639, 62.9416

Deuteranomaly

30.9504, 31.9974, 66.1729

Tritanomaly

26.1591, 32.1063, 54.1086

Monochromacy



Original Color

28.5942, 32.3165, 65.7034

Achromatopsia

26.9133, 28.3149, 30.8349

Achromatomaly

26.6855, 29.3578, 41.7963

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.5942, 32.3165, 65.7034 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(90, 161, 210)` looks like.

```
.text, #text, p{  
    color:rgb(90, 161, 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(90, 161, 210) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(90, 161, 210) }
```

Border

The CSS property to change the border of an element to XYZ 28.5942, 32.3165, 65.7034 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(90, 161, 210) }
```


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

```
.border{ border-color:rgb(90, 161, 210) }
```

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

Here you see how a box with a 4 pixel rgb(90, 161, 210) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(90, 161, 210); -webkit-box-  
shadow:4px 4px 4px 4px rgb(90, 161, 210);  
box-shadow:4px 4px 4px 4px rgb(90, 161,  
210) }
```

Background

The CSS property to change the background color of an element to XYZ 28.5942, 32.3165, 65.7034 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(90, 161, 210) }
```

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

```
.background{ background-color: rgb(90, 161,  
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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor