

Converting Colors

XYZ(29.6642, 34.4685, 64.4500)

Have a look what the booklet for
XYZ(29.6642, 34.4685, 64.4500)
contains.

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Color

**XYZ(29.7181, 34.5187,
64.7710)**

Conversions

Conversions Part 1

Format	Color
Hex	5DA7D0
RGB	93, 167, 208
RGB Percent	36%, 65%, 82%
CMY	0.6353, 0.3451, 0.1843
CMYK	0.55, 0.20, 0.00, 0.18
HSL	201°, 55%, 59%
HSV	201°, 55%, 82%
XYZ	29.7181, 34.5187, 64.7710
YIQ	149.5480, -57.2650, -2.9370

Conversions

Conversions Part 2

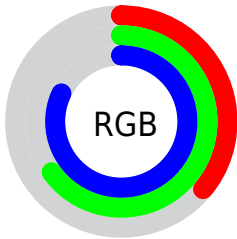
Format	Color
R_{YB}	93, 138, 208
Decimal	6137808
CIE _{Lab}	65.37, -11.38, -27.91
CIE _{LCh}	65, 30.138, 247.816
Yxy	34.5187, 0.2304, 0.2676
Android (android.graphics.Color)	4284327888 (0xFF5DA7D0)
YUV	149.5480, 28.8168, -49.5926
Hunter-Lab	58.7526, -12.5287, -24.2366

Details

The XYZ color **29.7181, 34.5187, 64.7710** 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 **36.5144, 31.2517, 14.4649**, and the grayscale version is **28.6986, 30.1932, 32.8804**.

A 20% lighter version of the original color is **56.9338, 66.0419, 104.3544**, and **12.2814, 14.7680, 32.3402** is the 20% darker color. If you saturate the color by 10%, you get **26.5724, 30.9384, 64.2464**, and if you desaturate by 10%, it is **33.5165, 38.5525, 65.3501**.

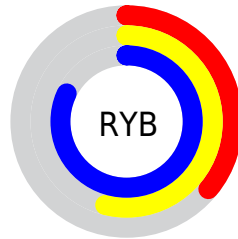
Distribution



Red (36%)

Green (65%)

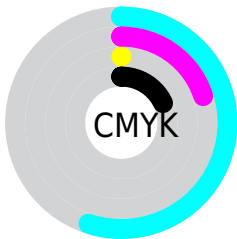
Blue (82%)



Red (36%)

Yellow (54%)

Blue (82%)

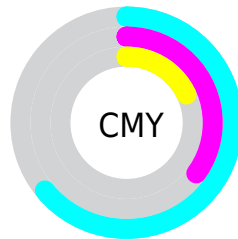


Cyan (55%)

Magenta (20%)

Yellow (0%)

Black (18%)



Cyan (64%)

Magenta (35%)

Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.7181, 34.5187, 64.7710 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 29.7181, 34.5187, 64.7710 by changing the saturation by 10% instead.

■ 29.7181, 34.5187,
64.7710

■ 29.7181, 34.5187,
64.7710

292.5217,
322.4388, 460.2523

■ 19.7717, 23.2924,
46.8252

■ 58.6058, 66.7395,
113.3307

■ 12.3365, 14.8095,
32.5442

■ 78.2778, 88.5027,
144.7817

■ 7.0471, 8.6858,
21.5092

■ 101.9224,
114.5470, 181.5716

■ 3.5382, 4.5368,
13.3019

■ 129.9049,
145.2568, 224.1188

■ 1.4443, 1.9782,
7.5036

162.5908,
181.0165, 272.8419

■ 0.2875, 0.5947,
3.6958

200.3453,

■ 0.0000, 0.0000,

222.2105, 328.1595

1.4600

243.5338,
269.2231, 390.4901

■ 0.0000, 0.0000,
0.1879

■ 0.0000, 0.0000,
0.0000

■ 29.7181, 34.5187,
64.7710

■ 29.7181, 34.5187,
64.7710

■ 26.5724, 30.9384,
64.2464

■ 33.5165, 38.5525,
65.3501

■ 24.0271, 27.7806,
63.7710

■ 38.0076, 43.0603,
65.9834

■ 22.0266, 25.0155,
63.3427

■ 43.2322, 48.0656,
66.6742

■ 20.5021, 22.6055,
62.9579

■ 49.2267, 53.5890,
67.4244

■ 19.8889, 21.5613,
62.7887

■ 56.0250, 59.6495,
68.2359

■ 63.6586, 66.2654,
69.1105

■ 72.1578, 73.4537,
70.0501

■ 79.9110, 80.3855,
70.9794

■ 81.9752, 84.5140,
71.6675

Harmonies

Analogous

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



26.5710, 34.5187, 54.4780



29.7181, 34.5187, 64.7710



33.9727, 34.5187, 67.0510

Triad

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



29.7181, 34.5187, 64.7710



41.9215, 34.5187, 34.3862



27.8918, 34.5187, 21.5138

Complementary

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



29.7181, 34.5187, 64.7710



36.5144, 31.2517, 14.4649

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.



31.6722, 34.5187, 18.3330



29.7181, 34.5187, 64.7710



39.9541, 34.5187, 24.6041

Square

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



29.7181, 34.5187, 64.7710



41.2801, 34.5187, 47.4924



36.1071, 34.5187, 19.3219



25.5841, 34.5187, 29.1612

Rectangle

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



29.7181, 34.5187, 64.7710



36.9159, 34.5187, 63.3358



36.1071, 34.5187, 19.3219



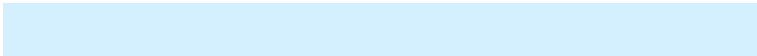
29.0185, 34.5187, 19.9746

Sweetspot

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



29.7193, 34.5200, 64.7718



76.1268, 83.2176, 106.6580



31.3221, 49.1402, 30.1165



15.8696, 17.4235, 22.7766



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.



29.7193, 34.5200, 64.7718



41.4671, 48.2609, 101.7375



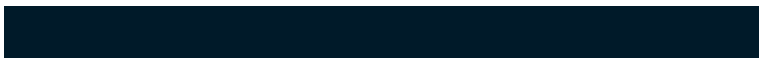
21.5035, 18.0885, 62.0333



11.7890, 12.6683, 15.0675



12.4899, 13.6263, 39.1643



0.7718, 0.9088, 2.2143

Inverse Universe

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



36.9028, 24.0298, 39.2537



54.4740, 31.9679, 54.9276



46.5654, 51.3539, 17.8152



12.1244, 11.9345, 13.9310



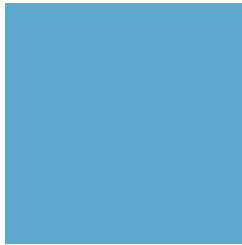
18.9350, 9.4469, 15.0959



1.0958, 0.5430, 1.0393

Previews

White Background



This preview shows how the XYZ color 29.7181, 34.5187, 64.7710 looks on a white background.

Color Contrast Check

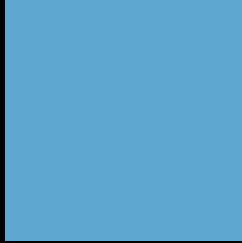
Large Text (above 18pt) WCAG AA × Fail

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 29.7181, 34.5187, 64.7710 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 29.7181, 34.5187, 64.7710

Background



This preview shows how black text looks on a background with the XYZ color 29.7181, 34.5187, 64.7710.



This preview shows how white text looks on a background with the XYZ color 29.7181, 34.5187,

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

29.7181, 34.5187, 64.7710

Protanopia

34.3464, 34.1501, 59.4250

Deuteranopia

35.1479, 34.4094, 66.4172



Tritanopia

26.9760, 34.5134, 51.1389

Trichromacy



Original Color

29.7181, 34.5187, 64.7710

Protanomaly

32.1027, 33.9654, 61.3639

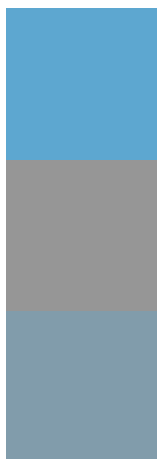
Deuteranomaly

32.6611, 34.1547, 65.8439

Tritanomaly

27.9308, 34.6259, 55.6634

Monochromacy



Original Color

29.7181, 34.5187, 64.7710

Achromatopsia

28.9890, 30.4987, 33.2131

Achromatomaly

28.2924, 31.3843, 43.0947

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.7181, 34.5187, 64.7710 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(93, 167, 208)` looks like.

```
.text, #text, p{  
    color:rgb(93, 167, 208)  
}
```

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(93, 167, 208) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(93, 167, 208) }
```

Border

The CSS property to change the border of an element to XYZ 29.7181, 34.5187, 64.7710 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(93, 167, 208) }
```


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

```
.border{ border-color:rgb(93, 167, 208) }
```

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

Here you see how a box with a 4 pixel `rgb(93, 167, 208)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(93, 167, 208); -webkit-box-  
shadow:4px 4px 4px 4px rgb(93, 167, 208);  
box-shadow:4px 4px 4px 4px rgb(93, 167,  
208) }
```

Background

The CSS property to change the background color of an element to XYZ 29.7181, 34.5187, 64.7710 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(93, 167, 208) }
```

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

```
.background{ background-color: rgb(93, 167,  
208) }
```

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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