

Converting Colors

XYZ(29.1106, 32.3180, 54.5478)

Have a look what the booklet for
XYZ(29.1106, 32.3180, 54.5478)
contains.

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Color

**XYZ(29.1150, 32.3150,
54.5721)**

Conversions

Conversions Part 1

Format	Color
Hex	749FC0
RGB	116, 159, 192
RGB Percent	45%, 62%, 75%
CMY	0.5451, 0.3765, 0.2471
CMYK	0.40, 0.17, 0.00, 0.25
HSL	206°, 38%, 60%
HSV	206°, 40%, 75%
XYZ	29.1150, 32.3150, 54.5721
YIQ	149.9050, -36.2210, 1.1470

Conversions

Conversions Part 2

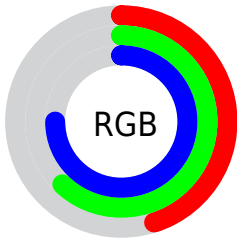
Format	Color
R _Y B	116, 143, 192
Decimal	7643072
CIE Lab	63.60, -6.06, -21.62
CIE LCh	64, 22.455, 254.337
Yxy	32.3150, 0.2510, 0.2786
Android (android.graphics.Color)	4285833152 (0xFF749FC0)
YUV	149.9050, 20.7528, -29.7347
Hunter-Lab	56.8463, -8.0585, -17.1257

Details

The XYZ color **29.1150, 32.3150, 54.5721** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **35.6388, 33.9631, 21.2012**, and the grayscale version is **28.8758, 30.3796, 33.0834**.

A 20% lighter version of the original color is **57.7844, 63.5284, 98.0236**, and **11.9999, 13.6169, 26.0406** is the 20% darker color. If you saturate the color by 10%, you get **25.4363, 28.3623, 54.0036**, and if you desaturate by 10%, it is **33.4200, 36.7356, 55.1990**.

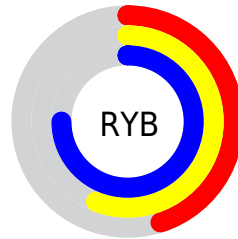
Distribution



Red (45%)

Green (62%)

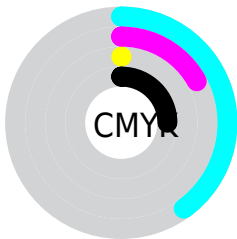
Blue (75%)



Red (45%)

Yellow (56%)

Blue (75%)

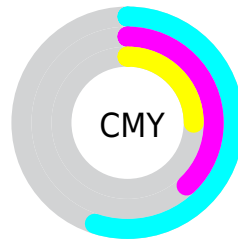


Cyan (40%)

Magenta (17%)

Yellow (0%)

Black (25%)



Cyan (55%)

Magenta (38%)

Yellow (25%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.1150, 32.3150, 54.5721 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 29.1150, 32.3150, 54.5721 by changing the saturation by 10% instead.

■ 29.1150, 32.3150,
54.5721

■ 29.1150, 32.3150,
54.5721

289.7416,
312.5517, 421.5240

■ 19.3126, 21.6022,
38.6630

■ 57.6560, 63.3046,
98.3786

■ 12.0017, 13.5649,
26.1918

■ 77.1253, 84.3502,
127.1130

■ 6.8170, 7.8187,
16.7401

■ 100.5477,
109.6088, 160.9596

■ 3.3932, 3.9791,
9.8894

128.2883,
139.4649, 200.3369

■ 1.3650, 1.6619,
5.2210

160.7127,
174.3028, 245.6634

■ 0.2311, 0.3988,
2.3165

198.1861,

■ 0.0000, 0.0000,

214.5070, 297.3578

0.7405

241.0740,
260.4618, 355.8385

■ 0.0000, 0.0000,
0.0000

■ 29.1150, 32.3150,
54.5721

■ 29.1150, 32.3150,
54.5721

■ 25.4363, 28.3623,
54.0036

■ 33.4200, 36.7356,
55.1990

■ 22.3461, 24.8529,
53.4891

■ 38.3798, 41.6393,
55.8841

■ 19.8071, 21.7656,
53.0270

■ 44.0251, 47.0453,
56.6301

■ 17.7759, 19.0750,
52.6147

■ 50.3833, 52.9705,
57.4386

■ 16.2016, 16.7516,
52.2493

■ 57.4806, 59.4306,
58.3115

■ 14.9913, 14.7445,
51.9256

■ 65.3415, 66.4409,
59.2503

■ 14.9442, 14.6651,
51.9128

■ 73.9895, 74.0159,
60.2566

■ 77.8684, 79.2936,
61.0709

■ 80.1868, 83.9303,
61.8437

Harmonies

Analogous

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



26.6000, 32.3150, 48.6884



29.1150, 32.3150, 54.5721



32.2321, 32.3150, 54.7107

Triad

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



29.1150, 32.3150, 54.5721



36.9353, 32.3150, 31.0798



26.6897, 32.3150, 24.2222

Complementary

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



29.1150, 32.3150, 54.5721



35.6388, 33.9631, 21.2012

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.



29.2452, 32.3150, 20.9652



29.1150, 32.3150, 54.5721



35.2326, 32.3150, 24.4430

Square

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



29.1150, 32.3150, 54.5721



36.8945, 32.3150, 40.0571



32.3714, 32.3150, 21.0385



25.2662, 32.3150, 30.7259

Rectangle

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



29.1150, 32.3150, 54.5721



34.2431, 32.3150, 51.4598



32.3714, 32.3150, 21.0385



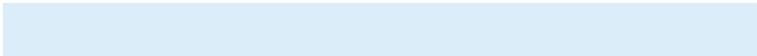
27.4369, 32.3150, 22.7646

Sweetspot

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



29.1160, 32.3162, 54.5729



76.9774, 82.5962, 102.2458



31.4724, 43.5808, 35.1600



16.2197, 17.4389, 21.8965



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.



29.1160, 32.3162, 54.5729



47.2262, 52.6391, 98.0316



23.5633, 21.2108, 52.7219



9.9905, 10.6724, 12.8183



10.1343, 10.0252, 34.9575



0.5054, 0.5682, 1.5329

Inverse Universe

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



34.2425, 26.2014, 36.0547



57.9979, 41.0485, 58.8393



42.6475, 47.9805, 23.5374



10.3065, 10.1712, 11.7047



16.5113, 8.2943, 10.6046



0.7475, 0.3720, 0.6376

Previews

White Background



This preview shows how the XYZ color 29.1150, 32.3150, 54.5721 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 29.1150, 32.3150, 54.5721 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 29.1150, 32.3150, 54.5721

Background



This preview shows how black text looks on a background with the XYZ color 29.1150, 32.3150, 54.5721.

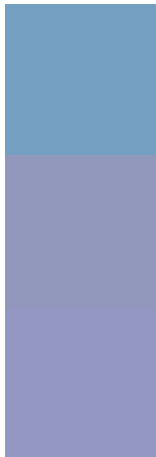


This preview shows how white text looks on a background with the XYZ color 29.1150, 32.3150,

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

29.1150, 32.3150, 54.5721

Protanopia

32.0519, 32.1553, 51.5310

Deuteranopia

33.0170, 32.3242, 55.5379



Tritanopia

27.3403, 32.3806, 45.3665

Trichromacy



Original Color

29.1150, 32.3150, 54.5721

Protanomaly

30.8983, 32.2677, 52.7439

Deuteranomaly

31.3346, 32.1957, 55.0150

Tritanomaly

27.8954, 32.3366, 48.4874

Monochromacy



Original Color

29.1150, 32.3150, 54.5721

Achromatopsia

28.9890, 30.4987, 33.2131

Achromatomaly

28.6640, 30.9024, 40.0513

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.1150, 32.3150, 54.5721 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(116, 159, 192)` looks like.

```
.text, #text, p{  
    color:rgb(116, 159, 192)  
}
```

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(116, 159, 192) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 159, 192) }
```

Border

The CSS property to change the border of an element to XYZ 29.1150, 32.3150, 54.5721 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(116, 159, 192) }
```


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

```
.border{ border-color:rgb(116, 159, 192) }
```

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

Here you see how a box with a 4 pixel `rgb(116, 159, 192)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(116, 159, 192); -webkit-box-  
shadow:4px 4px 4px 4px rgb(116, 159, 192);  
box-shadow:4px 4px 4px 4px rgb(116, 159,  
192) }
```

Background

The CSS property to change the background color of an element to XYZ 29.1150, 32.3150, 54.5721 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 159, 192) }
```

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

```
.background{ background-color: rgb(116,  
159, 192) }
```

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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