

Converting Colors

XYZ(29.6202, 33.7220, 55.0550)

Have a look what the booklet for
XYZ(29.6202, 33.7220, 55.0550)
contains.

XYZ(29.5511, 33.5776, 54.7928)	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(29.5511, 33.5776,
54.7928)**

Conversions

Conversions Part 1

Format	Color
Hex	72A3C0
RGB	114, 163, 192
RGB Percent	45%, 64%, 75%
CMY	0.5529, 0.3608, 0.2471
CMYK	0.41, 0.15, 0.00, 0.25
HSL	202°, 38%, 60%
HSV	202°, 41%, 75%
XYZ	29.5511, 33.5776, 54.7928
YIQ	151.6550, -38.5130, -1.3690

Conversions

Conversions Part 2

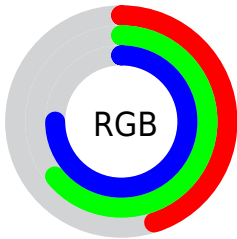
Format	Color
RYB	114, 144, 192
Decimal	7513024
CIELab	64.63, -8.80, -20.07
CIElCh	65, 21.915, 246.326
Yxy	33.5776, 0.2506, 0.2847
Android (android.graphics.Color)	4285703104 (0xFF72A3C0)
YUV	151.6550, 19.8901, -33.0234
Hunter-Lab	57.9462, -10.3753, -15.5012

Details

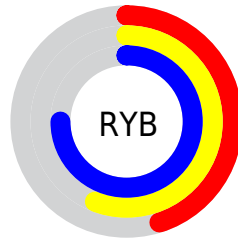
The XYZ color **29.5511, 33.5776, 54.7928** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **34.5987, 32.0671, 20.2867**, and the grayscale version is **29.6263, 31.1692, 33.9433**.

A 20% lighter version of the original color is **58.3769, 65.3551, 98.3450**, and **12.1964, 14.1960, 26.1420** is the 20% darker color. If you saturate the color by 10%, you get **26.0792, 29.9597, 54.2781**, and if you desaturate by 10%, it is **33.6208, 37.6114, 55.3575**.

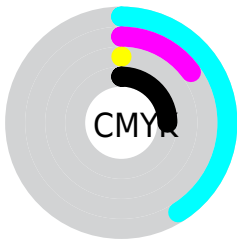
Distribution



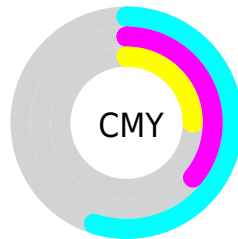
- Red (45%)
- Green (64%)
- Blue (75%)



- Red (45%)
- Yellow (56%)
- Blue (75%)



- Cyan (41%)
- Magenta (15%)
- Yellow (0%)
- Black (25%)



- Cyan (55%)
- Magenta (36%)
- Yellow (25%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.5511, 33.5776, 54.7928 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 29.5511, 33.5776, 54.7928 by changing the saturation by 10% instead.

■ 29.5511, 33.5776,
54.7928

■ 29.5511, 33.5776,
54.7928

291.7539,
318.2445, 422.3858

■ 19.6445, 22.5693,
38.8384

■ 58.3431, 65.2763,
98.7054

■ 12.2436, 14.2758,
26.3272

■ 77.9591, 86.7354,
127.5007

■ 6.9832, 8.3127,
16.8406

■ 101.5424,
112.4469, 161.4133

■ 3.4978, 4.2957,
9.9601

129.4582,
142.7953, 200.8618

■ 1.4222, 1.8403,
5.2673

162.0718,
178.1648, 246.2648

■ 0.2719, 0.5121,
2.3435

199.7488,

■ 0.0000, 0.0000,

218.9399, 298.0408

0.7554

242.8544,
265.5050, 356.6083

■ 0.0000, 0.0000,
0.0000

■ 29.5511, 33.5776,
54.7928

■ 29.5511, 33.5776,
54.7928

■ 26.0792, 29.9597,
54.2781

■ 33.6208, 37.6114,
55.3575

■ 23.1678, 26.7345,
53.8090

■ 38.3166, 42.0751,
55.9716

■ 20.7799, 23.8819,
53.3842

■ 43.6684, 46.9865,
56.6375

■ 18.8722, 21.3777,
53.0014

■ 49.7035, 52.3614,
57.3569

■ 17.3937, 19.1938,
52.6578

■ 56.4473, 58.2144,
58.1312

■ 16.3056, 17.3879,
52.3666

■ 63.9239, 64.5595,
58.9619

■ 72.1564, 71.4102,
59.8503

■ 76.3764, 76.3096,
60.5735

■ 78.2914, 80.1395,
61.2118

Harmonies

Analogous

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



27.2932, 33.5776, 47.7896



29.5511, 33.5776, 54.7928



32.5844, 33.5776, 56.5796

Triad

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



29.5511, 33.5776, 54.7928



38.2993, 33.5776, 34.6879



28.4699, 33.5776, 24.3240

Complementary

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



29.5511, 33.5776, 54.7928



34.5987, 32.0671, 20.2867

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.



31.2539, 33.5776, 21.9266



29.5511, 33.5776, 54.7928



37.0300, 33.5776, 27.2442

Square

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



29.5511, 33.5776, 54.7928



37.7695, 33.5776, 43.9520



34.4007, 33.5776, 22.9007



26.6982, 33.5776, 30.0476

Rectangle

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



29.5511, 33.5776, 54.7928



34.6676, 33.5776, 54.3510



34.4007, 33.5776, 22.9007



29.3111, 33.5776, 23.1492

Sweetspot

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



29.5522, 33.5789, 54.7936



77.5218, 83.6850, 102.4273



30.7177, 43.2485, 32.5579



16.3481, 17.6958, 21.9393



92.9021, 97.7402, 106.4391



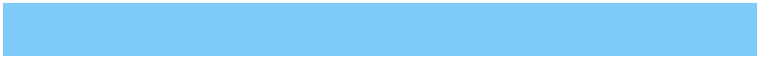
19.4759, 20.4902, 22.3138

Same Dimension

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



29.5522, 33.5789, 54.7936



47.7411, 54.8065, 98.4228



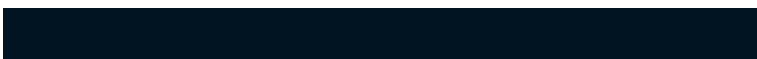
23.7128, 21.9001, 52.8471



10.0436, 10.7786, 12.8359



11.0484, 11.8533, 35.2622



0.5416, 0.6406, 1.5450

Inverse Universe

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



34.3673, 25.8865, 37.8369



57.9801, 39.9781, 62.0233



41.4224, 45.7145, 22.5613



10.3333, 10.1819, 11.8458



16.9727, 8.4788, 13.0341



0.7658, 0.3793, 0.7339

Previews

White Background



This preview shows how the XYZ color 29.5511, 33.5776, 54.7928 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 29.5511, 33.5776, 54.7928 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 29.5511, 33.5776, 54.7928

Background



This preview shows how black text looks on a background with the XYZ color 29.5511, 33.5776, 54.7928.



This preview shows how white text looks on a background with the XYZ color 29.5511, 33.5776,

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

29.5511, 33.5776, 54.7928

Protanopia

33.1619, 33.4719, 51.1673

Deuteranopia

34.0777, 33.3529, 55.6806



Tritanopia

28.0222, 33.4799, 47.6332

Trichromacy



Original Color

29.5511, 33.5776, 54.7928

Protanomaly

31.6205, 33.4029, 52.3578

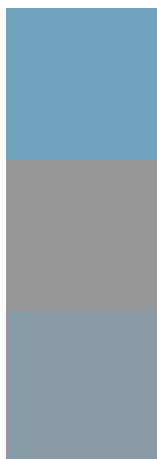
Deuteranomaly

32.1638, 33.3675, 55.1974

Tritanomaly

28.4827, 33.3911, 50.2913

Monochromacy



Original Color

29.5511, 33.5776, 54.7928

Achromatopsia

29.8446, 31.3989, 34.1934

Achromatomaly

29.3448, 31.9702, 41.1835

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.5511, 33.5776, 54.7928 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(114, 163, 192)` looks like.

```
.text, #text, p{  
    color:rgb(114, 163, 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(114, 163, 192) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(114, 163, 192) }
```

Border

The CSS property to change the border of an element to XYZ 29.5511, 33.5776, 54.7928 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(114, 163, 192) }
```


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

```
.border{ border-color:rgb(114, 163, 192) }
```

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

Here you see how a box with a 4 pixel `rgb(114, 163, 192)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(114, 163, 192); -webkit-box-  
shadow:4px 4px 4px 4px rgb(114, 163, 192);  
box-shadow:4px 4px 4px 4px rgb(114, 163,  
192) }
```

Background

The CSS property to change the background color of an element to XYZ 29.5511, 33.5776, 54.7928 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(114, 163, 192) }
```

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

```
.background{ background-color: rgb(114,  
163, 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](#).

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