

Converting Colors

XYZ(28.2277, 28.9286, 54.5481)

Have a look what the booklet for
XYZ(28.2277, 28.9286, 54.5481)
contains.

XYZ(28.2277, 28.9286, 54.5481)	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(28.2277, 28.9286,
54.5481)**

Conversions

Conversions Part 1

Format	Color
Hex	7B93C1
RGB	123, 147, 193
RGB Percent	48%, 58%, 76%
CMY	0.5176, 0.4235, 0.2431
CMYK	0.36, 0.24, 0.00, 0.24
HSL	219°, 36%, 62%
HSV	219°, 36%, 76%
XYZ	28.2277, 28.9286, 54.5481
YIQ	145.0680, -29.0700, 9.2180

Conversions

Conversions Part 2

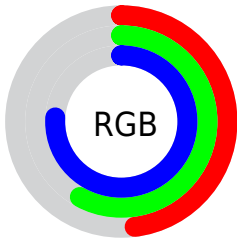
Format	Color
R_{YB}	123, 141, 193
Decimal	8098753
CIE Lab	60.72, 2.91, -26.57
CIE LCh	61, 26.729, 276.247
Yxy	28.9286, 0.2527, 0.2590
Android (android.graphics.Color)	4286288833 (0xFF7B93C1)
YUV	145.0680, 23.6305, -19.3536
Hunter-Lab	53.7853, -0.4436, -22.4811

Details

The XYZ color **28.2277, 28.9286, 54.5481** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **39.7561, 41.1441, 24.5861**, and the grayscale version is **26.8575, 28.2562, 30.7710**.

A 20% lighter version of the original color is **56.2734, 58.0225, 98.6760**, and **11.5334, 11.7531, 26.0868** is the 20% darker color. If you saturate the color by 10%, you get **23.8696, 23.9143, 53.8105**, and if you desaturate by 10%, it is **33.3495, 34.6606, 55.3851**.

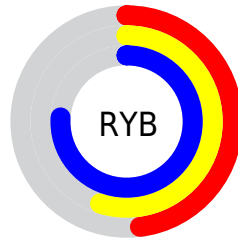
Distribution



Red (48%)

Green (58%)

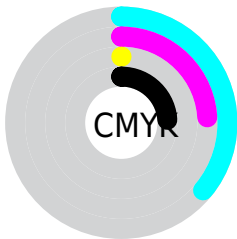
Blue (76%)



Red (48%)

Yellow (55%)

Blue (76%)

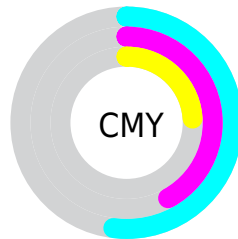


Cyan (36%)

Magenta (24%)

Yellow (0%)

Black (24%)



Cyan (52%)

Magenta (42%)

Yellow (24%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 28.2277, 28.9286, 54.5481 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 28.2277, 28.9286, 54.5481 by changing the saturation by 10% instead.

■ 28.2277, 28.9286,
54.5481

■ 28.2277, 28.9286,
54.5481

285.6137,
296.8779, 421.4302

■ 18.6387, 19.0268,
38.6439

■ 56.2539, 57.9636,
98.3430

■ 11.5120, 11.6897,
26.1771

■ 75.4218, 77.8657,
127.0708

■ 6.4821, 6.5327,
16.7292

■ 98.5133, 101.8699,
160.9102

■ 3.1838, 3.1716,
9.8817

125.8939,
130.3607, 200.2798

■ 1.2517, 1.2220,
5.2160

157.9289,
163.7225, 245.5980

■ 0.1466, 0.0795,
2.3136

194.9836,

■ 0.0000, 0.0000,

202.3398, 297.2835

0.7388

237.4235,
246.5968, 355.7547

■ 0.0000, 0.0000,
0.0000

■ 28.2277, 28.9286,
54.5481

■ 28.2277, 28.9286,
54.5481

■ 23.8696, 23.9143,
53.8105

■ 33.3495, 34.6606,
55.3851

■ 20.2331, 19.5838,
53.1663

■ 39.2682, 41.1356,
56.3229

■ 17.2763, 15.9051,
52.6120

■ 46.0188, 48.3816,
57.3657

■ 14.9512, 12.8419,
52.1433

■ 53.6328, 56.4243,
58.5168

■ 13.2032, 10.3535,
51.7551

■ 62.1405, 65.2878,
59.7792

■ 11.9631, 8.3913,
51.4417

■ 71.5703, 74.9954,
61.1560

■ 11.5841, 7.7669,
51.3412

■ 80.7986, 84.9759,
62.5961

■ 84.5763, 92.5315,
63.8553

■ 86.6257, 96.6303,
64.5384

Harmonies

Analogous

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



24.8967, 28.9286, 52.4076



28.2277, 28.9286, 54.5481



31.6294, 28.9286, 49.5439

Triad

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



28.2277, 28.9286, 54.5481



33.2310, 28.9286, 21.5033



21.8335, 28.9286, 24.4161

Complementary

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



28.2277, 28.9286, 54.5481



39.7561, 41.1441, 24.5861

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.



23.7389, 28.9286, 18.4720



28.2277, 28.9286, 54.5481



30.2697, 28.9286, 17.0541

Square

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



28.2277, 28.9286, 54.5481



34.6704, 28.9286, 29.4658



26.7766, 28.9286, 16.0744



21.3862, 28.9286, 33.6222

Rectangle

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



28.2277, 28.9286, 54.5481



33.4202, 28.9286, 43.3434



26.7766, 28.9286, 16.0744



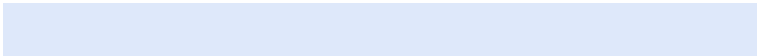
22.3164, 28.9286, 22.0355

Sweetspot

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



28.2287, 28.9297, 54.5488



76.3003, 80.1113, 101.8019



34.3537, 45.1974, 44.2046



16.0176, 16.8090, 21.7855



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.



28.2287, 28.9297, 54.5488



43.8950, 44.1656, 96.5716



26.4615, 23.0445, 53.5060



9.8044, 10.3000, 12.7562



7.7722, 5.3009, 34.1702



0.4005, 0.3585, 1.4980

Inverse Universe

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



34.3425, 27.6109, 31.1242



56.7586, 42.2454, 47.0949



42.0555, 49.5767, 26.0926



10.2125, 10.1336, 11.2098



15.3190, 7.8174, 4.3261



0.6946, 0.3508, 0.3589

Previews

White Background



This preview shows how the XYZ color 28.2277, 28.9286, 54.5481 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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 28.2277, 28.9286, 54.5481 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

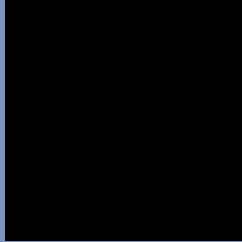
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 28.2277, 28.9286, 54.5481

Background



This preview shows how black text looks on a background with the XYZ color 28.2277, 28.9286, 54.5481.



This preview shows how white text looks on a background with the XYZ color 28.2277, 28.9286,

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

28.2277, 28.9286, 54.5481

Protanopia

29.2087, 28.7764, 53.3052

Deuteranopia

29.5424, 28.9099, 55.0621



Tritanopia

25.1315, 28.8498, 39.3660

Trichromacy



Original Color

28.2277, 28.9286, 54.5481

Protanomaly

28.8457, 28.8024, 53.9083

Deuteranomaly

29.0689, 28.8917, 55.0835

Tritanomaly

26.2520, 28.8298, 44.7385

Monochromacy



Original Color

28.2277, 28.9286, 54.5481

Achromatopsia

26.9133, 28.3149, 30.8349

Achromatomaly

27.1170, 28.4848, 38.2513

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.2277, 28.9286, 54.5481 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(123, 147, 193)` looks like.

```
.text, #text, p{  
    color:rgb(123, 147, 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(123, 147, 193) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 147, 193) }
```

Border

The CSS property to change the border of an element to XYZ 28.2277, 28.9286, 54.5481 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(123, 147, 193) }
```


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

```
.border{ border-color:rgb(123, 147, 193) }
```

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

Here you see how a box with a 4 pixel `rgb(123, 147, 193)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 147, 193); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 147, 193);  
box-shadow:4px 4px 4px 4px rgb(123, 147,  
193) }
```

Background

The CSS property to change the background color of an element to XYZ 28.2277, 28.9286, 54.5481 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 147, 193) }
```

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

```
.background{ background-color: rgb(123,  
147, 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](#).

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