

Converting Colors

XYZ(28.3138, 25.4689, 90.6125)

Have a look what the booklet for
XYZ(28.3138, 25.4689, 90.6125)
contains.

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Color

**XYZ(28.3591, 25.5595,
90.6276)**

Conversions

Conversions Part 1

Format	Color
Hex	4D87F6
RGB	77, 135, 246
RGB Percent	30%, 53%, 96%
CMY	0.6980, 0.4706, 0.0353
CMYK	0.69, 0.45, 0.00, 0.04
HSL	219°, 90%, 63%
HSV	219°, 69%, 96%
XYZ	28.3591, 25.5595, 90.6276
YIQ	130.3120, -70.1990, 22.2250

Conversions

Conversions Part 2

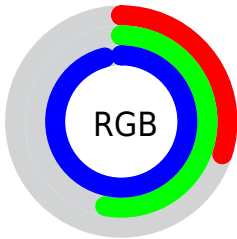
Format	Color
R _Y B	77, 120, 246
Decimal	5081078
CIE Lab	57.62, 16.80, -61.21
CIE LCh	58, 63.470, 285.345
Yxy	25.5595, 0.1962, 0.1768
Android (android.graphics.Color)	4283271158 (0xFF4D87F6)
YUV	130.3120, 57.0342, -46.7546
Hunter-Lab	50.5564, 11.6540, -70.8940

Details

The XYZ color **28.3591, 25.5595, 90.6276** is a light color, and the websafe version is hex **6699FF**. The color can be described as light washed azure. A complement of this color would be **57.3318, 56.1001, 14.8299**, and the grayscale version is **21.1521, 22.2536, 24.2342**.

A 20% lighter version of the original color is **47.3609, 49.0261, 101.5745**, and **12.5131, 10.3297, 49.4784** is the 20% darker color. If you saturate the color by 10%, you get **24.6502, 20.5510, 89.8569**, and if you desaturate by 10%, it is **33.1624, 31.6405, 91.5488**.

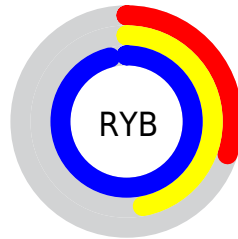
Distribution



Red (30%)

Green (53%)

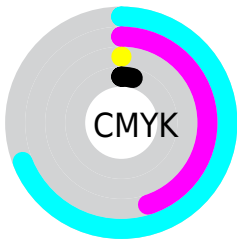
Blue (96%)



Red (30%)

Yellow (47%)

Blue (96%)

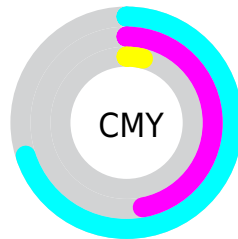


Cyan (69%)

Magenta (45%)

Yellow (0%)

Black (4%)



Cyan (70%)

Magenta (47%)

Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 28.3591, 25.5595, 90.6276 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 28.3591, 25.5595, 90.6276 by changing the saturation by 10% instead.

■ 28.3591, 25.5595,
90.6276

■ 28.3591, 25.5595,
90.6276

286.2279,
280.6129, 550.6930

■ 18.7384, 16.4944,
67.9246

■ 56.4619, 52.5635,
150.1530

■ 11.5843, 9.8747,
49.3701

■ 75.6747, 71.2711,
187.8125

■ 6.5314, 5.3159,
34.5455

■ 98.8155, 93.9617,
231.2946

■ 3.2145, 2.4338,
23.0322

■ 126.2497,
121.0196, 281.0178

■ 1.2682, 0.8432,
14.4118

158.3427,
152.8293, 337.4008

■ 0.1592, 0.0000,
8.2656

195.4599,

■ 0.0000, 0.0000,

189.7752, 400.8619

4.1752

237.9665,
232.2416, 471.8198

■ 0.0000, 0.0000,
1.7219

■ 0.0000, 0.0000,
0.3757

■ 28.3591, 25.5595,
90.6276

■ 28.3591, 25.5595,
90.6276

■ 24.6502, 20.5510,
89.8569

■ 33.1624, 31.6405,
91.5488

■ 21.9273, 16.5358,
89.2254

■ 39.1470, 38.8595,
92.6268

■ 20.0448, 13.4144,
88.7222

■ 46.3940, 47.2788,
93.8699

■ 19.8374, 13.0594,
88.6646

■ 54.9761, 56.9549,
95.2852

■ 64.9600, 67.9405,
96.8795

■ 76.4079, 80.2849,
98.6588

■ 89.3782, 94.0348,
100.6292

■ 93.6347, 99.4339,
101.4470

Harmonies

Analogous

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



20.7889, 25.5595, 90.9139



28.3591, 25.5595, 90.6276



36.2090, 25.5595, 68.6943

Triad

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



28.3591, 25.5595, 90.6276



36.0472, 25.5595, 7.4429



12.7432, 25.5595, 18.5473

Complementary

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



28.3591, 25.5595, 90.6276



57.3318, 56.1001, 14.8299

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.



15.3291, 25.5595, 7.5915



28.3591, 25.5595, 90.6276



28.1715, 25.5595, 3.8282

Square

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



28.3591, 25.5595, 90.6276



41.2377, 25.5595, 18.1792



20.6364, 25.5595, 3.8630



12.7728, 25.5595, 40.4048

Rectangle

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



28.3591, 25.5595, 90.6276



40.0968, 25.5595, 49.1316



20.6364, 25.5595, 3.8630



13.3072, 25.5595, 13.7943

Sweetspot

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



28.3602, 25.5603, 90.6283



67.8061, 70.7951, 104.6988



44.9715, 71.0719, 58.2800



13.8602, 14.4364, 22.3059



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.



28.3602, 25.5603, 90.6283



25.6100, 20.6740, 97.2484



24.8096, 14.8090, 88.7402



16.0461, 16.8564, 20.9505



10.7054, 7.2046, 47.3644



1.0328, 0.8169, 4.1935

Inverse Universe

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



45.0342, 26.6516, 25.6927



45.4626, 24.5060, 19.3659



64.0090, 81.7656, 19.4319



16.7338, 16.5764, 18.3449



21.2081, 10.8267, 5.8043



1.9103, 0.9701, 0.7543

Previews

White Background



This preview shows how the XYZ color 28.3591, 25.5595, 90.6276 looks on a white background.

Color Contrast Check

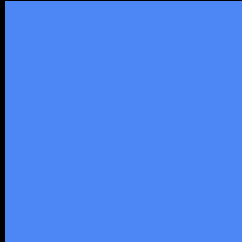
Large Text (above 18pt) WCAG AA ✓ Pass

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 28.3591, 25.5595, 90.6276 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

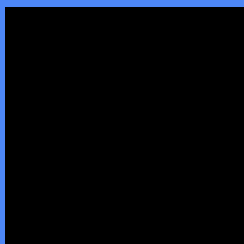
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

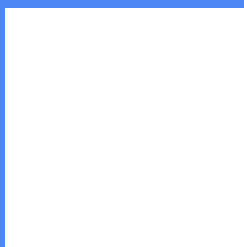
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 28.3591, 25.5595, 90.6276

Background



This preview shows how black text looks on a background with the XYZ color 28.3591, 25.5595, 90.6276.



This preview shows how white text looks on a background with the XYZ color 28.3591, 25.5595,

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

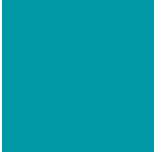
28.3591, 25.5595, 90.6276

Protanopia

28.7528, 25.5741, 89.8071

Deuteranopia

26.5871, 25.7238, 89.9501



Tritanopia

18.1828, 25.4991, 39.5608

Trichromacy



Original Color

28.3591, 25.5595, 90.6276

Protanomaly

28.4862, 25.4366, 89.7946

Deuteranomaly

26.9352, 25.4733, 89.8834

Tritanomaly

20.4954, 24.6997, 54.7262

Monochromacy



Original Color

28.3591, 25.5595, 90.6276

Achromatopsia

21.2178, 22.3228, 24.3095

Achromatomaly

22.2532, 22.8606, 42.2694

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.3591, 25.5595, 90.6276 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(77, 135, 246)` looks like.

```
.text, #text, p{  
    color:rgb(77, 135, 246)  
}
```

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(77, 135, 246) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(77, 135, 246) }
```

Border

The CSS property to change the border of an element to XYZ 28.3591, 25.5595, 90.6276 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(77, 135, 246) }
```


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

```
.border{ border-color:rgb(77, 135, 246) }
```

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

Here you see how a box with a 4 pixel `rgb(77, 135, 246)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(77, 135, 246); -webkit-box-  
shadow:4px 4px 4px 4px rgb(77, 135, 246);  
box-shadow:4px 4px 4px 4px rgb(77, 135,  
246) }
```

Background

The CSS property to change the background color of an element to XYZ 28.3591, 25.5595, 90.6276 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(77, 135, 246) }
```

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

```
.background{ background-color: rgb(77, 135,  
246) }
```

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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