

Converting Colors

XYZ(28.2822, 25.8479, 76.1354)

Have a look what the booklet for
XYZ(28.2822, 25.8479, 76.1354)
contains.

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Color

**XYZ(28.2380, 25.8171,
76.1679)**

Conversions

Conversions Part 1

Format	Color
Hex	6887E3
RGB	104, 135, 227
RGB Percent	41%, 53%, 89%
CMY	0.5921, 0.4706, 0.1098
CMYK	0.54, 0.41, 0.00, 0.11
HSL	225°, 69%, 65%
HSV	225°, 54%, 89%
XYZ	28.2380, 25.8171, 76.1679
YIQ	136.2190, -48.0080, 22.0400

Conversions

Conversions Part 2

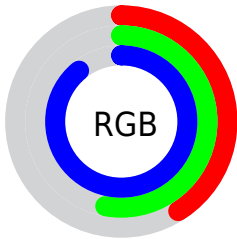
Format	Color
RYB	104, 129, 227
Decimal	6850531
CIELab	57.86, 15.26, -50.19
CIElCh	58, 52.460, 286.908
Yxy	25.8171, 0.2168, 0.1983
Android (android.graphics.Color)	4285040611 (0xFF6887E3)
YUV	136.2190, 44.7550, -28.2561
Hunter-Lab	50.8105, 10.2831, -53.3117

Details

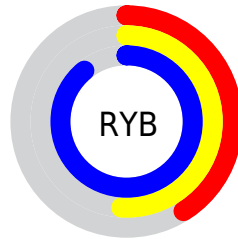
The XYZ color **28.2380, 25.8171, 76.1679** is a light color, and the websafe version is hex **6699FF**. A complement of this color would be **53.9186, 56.8123, 21.2222**, and the grayscale version is **23.3352, 24.5504, 26.7354**.

A 20% lighter version of the original color is **50.9335, 50.8678, 101.7417**, and **11.5152, 10.0272, 39.8566** is the 20% darker color. If you saturate the color by 10%, you get **23.7659, 20.2711, 75.3337**, and if you desaturate by 10%, it is **33.7990, 32.4859, 77.1626**.

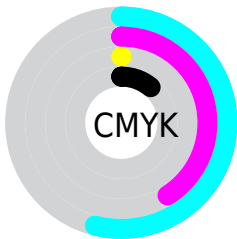
Distribution



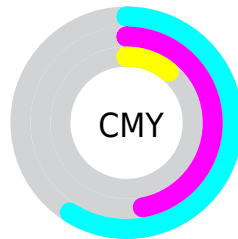
- Red (41%)
- Green (53%)
- Blue (89%)



- Red (41%)
- Yellow (51%)
- Blue (89%)



- Cyan (54%)
- Magenta (41%)
- Yellow (0%)
- Black (11%)



- Cyan (59%)
- Magenta (47%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 28.2380, 25.8171, 76.1679 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 28.2380, 25.8171, 76.1679 by changing the saturation by 10% instead.

■ 28.2380, 25.8171,
76.1679

■ 28.2380, 25.8171,
76.1679

285.6619,
281.8831, 501.2844

■ 18.6465, 16.6869,
56.0627

■ 56.2702, 52.9797,
129.7265

■ 11.5176, 10.0115,
39.8489

■ 75.4416, 71.7809,
164.0169

■ 6.4860, 5.4066,
27.1078

■ 98.5370, 94.5746,
203.8729

■ 3.1862, 2.4877,
17.4211

■ 125.9218,
121.7450, 249.7130

■ 1.2530, 0.8705,
10.3700

157.9614,
153.6767, 301.9556

■ 0.1476, 0.0000,
5.5362

195.0210,

■ 0.0000, 0.0000,

190.7540, 361.0193

2.5010

237.4661,
233.3613, 427.3227

■ 0.0000, 0.0000,
0.8407

■ 0.0000, 0.0000,
0.0000

■ 28.2380, 25.8171,
76.1679

■ 28.2380, 25.8171,
76.1679

■ 23.7659, 20.2711,
75.3337

■ 33.7990, 32.4859,
77.1626

■ 20.3034, 15.7797,
74.6492

■ 40.5144, 40.3352,
78.3237

■ 17.7648, 12.2700,
74.1056

■ 48.4479, 49.4212,
79.6593

■ 16.0464, 9.6576,
73.6919

■ 57.6576, 59.7961,
81.1765

■ 15.3386, 8.4929,
73.5044

■ 68.1977, 71.5087,
82.8817

■ 80.1192, 84.6052,
84.7812

■ 90.5018, 97.5992,
86.7421

■ 90.8652, 98.3261,
86.8633

Harmonies

Analogous

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



21.8922, 25.8171, 77.3377



28.2380, 25.8171, 76.1679



34.5049, 25.8171, 59.1480

Triad

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



28.2380, 25.8171, 76.1679



33.7928, 25.8171, 9.6081



14.5186, 25.8171, 20.9532

Complementary

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



28.2380, 25.8171, 76.1679



53.9186, 56.8123, 21.2222

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.



16.7036, 25.8171, 10.4303



28.2380, 25.8171, 76.1679



27.3897, 25.8171, 6.0347

Square

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



28.2380, 25.8171, 76.1679



38.0695, 25.8171, 19.1691



21.1769, 25.8171, 6.2520



14.6664, 25.8171, 39.4728

Rectangle

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



28.2380, 25.8171, 76.1679



37.4730, 25.8171, 44.0548



21.1769, 25.8171, 6.2520



14.9862, 25.8171, 16.5685

Sweetspot

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



28.2390, 25.8180, 76.1686



72.6254, 75.1171, 105.2790



42.9391, 61.7861, 60.8207



14.9978, 15.4638, 22.4443



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.



28.2390, 25.8180, 76.1686



30.3130, 25.5946, 97.9503



28.4423, 20.4103, 75.1141



13.8765, 14.4744, 18.2068



9.0240, 5.1101, 42.8939



0.7396, 0.5231, 3.1940

Inverse Universe

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



41.0029, 27.9821, 26.1624



48.9314, 30.0857, 24.7085



53.3366, 67.9850, 23.4094



14.5253, 14.4273, 15.7004



18.9484, 9.7136, 3.3573



1.4369, 0.7325, 0.4415

Previews

White Background



This preview shows how the XYZ color 28.2380, 25.8171, 76.1679 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 28.2380, 25.8171, 76.1679 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

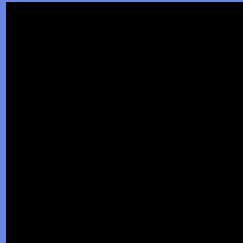
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 28.2380, 25.8171, 76.1679

Background



This preview shows how black text looks on a background with the XYZ color 28.2380, 25.8171, 76.1679.

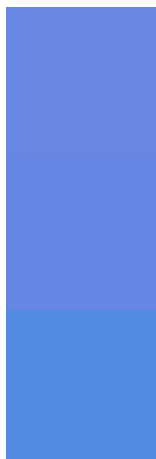


This preview shows how white text looks on a background with the XYZ color 28.2380, 25.8171,

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

28.2380, 25.8171, 76.1679

Protanopia

27.8959, 25.6407, 76.1519

Deuteranopia

26.6162, 25.8410, 75.5365



Tritanopia

20.4887, 25.7736, 37.6131

Trichromacy



Original Color

28.2380, 25.8171, 76.1679

Protanomaly

28.0086, 25.6988, 76.1572

Deuteranomaly

27.1303, 25.8921, 75.5193

Tritanomaly

22.8500, 25.5731, 49.6307

Monochromacy



Original Color

28.2380, 25.8171, 76.1679

Achromatopsia

23.4014, 24.6201, 26.8113

Achromatomaly

24.2778, 24.7580, 41.0353

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.2380, 25.8171, 76.1679 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(104, 135, 227)` looks like.

```
.text, #text, p{  
    color:rgb(104, 135, 227)  
}
```

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(104, 135, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(104, 135, 227) }
```

Border

The CSS property to change the border of an element to XYZ 28.2380, 25.8171, 76.1679 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(104, 135, 227) }
```


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

```
.border{ border-color:rgb(104, 135, 227) }
```

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

Here you see how a box with a 4 pixel `rgb(104, 135, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(104, 135, 227); -webkit-box-shadow:4px 4px 4px 4px rgb(104, 135, 227); box-shadow:4px 4px 4px 4px rgb(104, 135, 227) }
```

Background

The CSS property to change the background color of an element to XYZ 28.2380, 25.8171, 76.1679 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(104, 135, 227) }
```

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

```
.background{ background-color: rgb(104,  
135, 227) }
```

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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