

Converting Colors

XYZ(27.7364, 28.2501, 55.6713)

Have a look what the booklet for
XYZ(27.7364, 28.2501, 55.6713)
contains.

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Color

**XYZ(27.7215, 28.1840,
55.6087)**

Conversions

Conversions Part 1

Format	Color
Hex	7891C3
RGB	120, 145, 195
RGB Percent	47%, 57%, 76%
CMY	0.5294, 0.4314, 0.2353
CMYK	0.38, 0.26, 0.00, 0.24
HSL	220°, 38%, 62%
HSV	220°, 38%, 76%
XYZ	27.7215, 28.1840, 55.6087
YIQ	143.2250, -30.9500, 10.2500

Conversions

Conversions Part 2

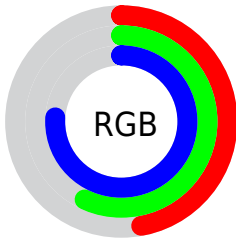
Format	Color
R_{YB}	120, 139, 195
Decimal	7901635
CIE _{Lab}	60.05, 3.76, -28.74
CIE _{LCh}	60, 28.983, 277.463
Yxy	28.1840, 0.2486, 0.2527
Android (android.graphics.Color)	4286091715 (0xFF7891C3)
YUV	143.2250, 25.5251, -20.3683
Hunter-Lab	53.0886, 0.3030, -24.9424

Details

The XYZ color **27.7215, 28.1840, 55.6087** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **40.2714, 41.7086, 23.6985**, and the grayscale version is **26.1092, 27.4689, 29.9136**.

A 20% lighter version of the original color is **55.6733, 56.9891, 100.1612**, and **11.2147, 11.3008, 26.7895** is the 20% darker color. If you saturate the color by 10%, you get **23.4134, 23.1815, 54.8707**, and if you desaturate by 10%, it is **32.8095, 33.9272, 56.4496**.

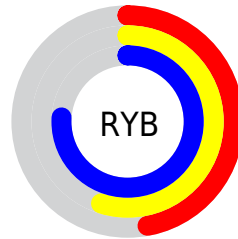
Distribution



Red (47%)

Green (57%)

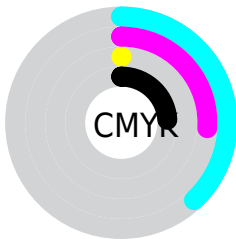
Blue (76%)



Red (47%)

Yellow (55%)

Blue (76%)

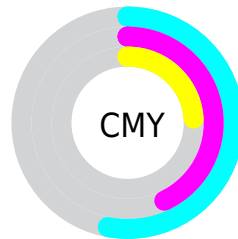


Cyan (38%)

Magenta (26%)

Yellow (0%)

Black (24%)



Cyan (53%)

Magenta (43%)

Yellow (24%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 27.7215, 28.1840, 55.6087 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 27.7215, 28.1840, 55.6087 by changing the saturation by 10% instead.

■ 27.7215, 28.1840,
55.6087

■ 27.7215, 28.1840,
55.6087

283.2380,
293.3451, 425.5620

■ 18.2552, 18.4644,
39.4874

■ 55.4513, 56.7781,
99.9123

■ 11.2342, 11.2839,
26.8284

■ 74.4454, 76.4213,
128.9317

■ 6.2930, 6.2581,
17.2131

■ 97.3463, 100.1413,
163.0875

■ 3.0664, 3.0027,
10.2230

124.5191,
128.3223, 202.7983

■ 1.1890, 1.1331,
5.4395

156.3294,
161.3488, 248.4826

■ 0.0976, 0.0060,
2.4442

193.1424,

■ 0.0000, 0.0000,

199.6052, 300.5589

0.8103

235.3235,
243.4758, 359.4459

■ 0.0000, 0.0000,
0.0000

■ 27.7215, 28.1840,
55.6087

■ 27.7215, 28.1840,
55.6087

■ 23.4134, 23.1815,
54.8707

■ 32.8095, 33.9272,
56.4496

■ 19.8412, 18.8838,
54.2294

■ 38.7127, 40.4384,
57.3952

■ 16.9603, 15.2568,
53.6812

■ 45.4675, 47.7471,
58.4499

■ 14.7199, 12.2615,
53.2211

■ 53.1071, 55.8804,
59.6172

■ 13.0613, 9.8541,
52.8439

■ 61.6632, 64.8640,
60.9002

■ 11.8953, 7.9741,
52.5424

■ 71.1654, 74.7225,
62.3023

■ 11.7407, 7.7207,
52.5017

■ 81.0868, 85.1930,
63.8004

■ 84.9672, 92.9537,
65.0938

■ 86.8504, 96.7202,
65.7216

Harmonies

Analogous

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



24.1560, 28.1840, 53.5802



27.7215, 28.1840, 55.6087



31.3463, 28.1840, 49.8388

Triad

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



27.7215, 28.1840, 55.6087



32.8328, 28.1840, 19.9000



20.7468, 28.1840, 23.5303

Complementary

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



27.7215, 28.1840, 55.6087



40.2714, 41.7086, 23.6985

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.



22.6946, 28.1840, 17.2038



27.7215, 28.1840, 55.6087



29.6047, 28.1840, 15.4688

Square

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



27.7215, 28.1840, 55.6087



34.4687, 28.1840, 28.1199



25.8758, 28.1840, 14.6101



20.3426, 28.1840, 33.4071

Rectangle

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



27.7215, 28.1840, 55.6087



33.2355, 28.1840, 42.9847



25.8758, 28.1840, 14.6101



21.2335, 28.1840, 20.9926

Sweetspot

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



27.7225, 28.1851, 55.6094



76.7422, 80.4673, 103.9568



34.5174, 45.9263, 45.0765



16.4498, 17.2367, 22.7100



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.



27.7225, 28.1851, 55.6094



43.1841, 42.9904, 98.4917



26.1620, 22.3202, 54.5596



9.7965, 10.2843, 12.7536



7.7005, 5.1575, 34.1462



0.3969, 0.3511, 1.4967

Inverse Universe

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



34.3338, 27.0805, 30.2065



56.8987, 41.5754, 45.5997



42.3157, 50.3930, 25.2670



10.2086, 10.1320, 11.1890



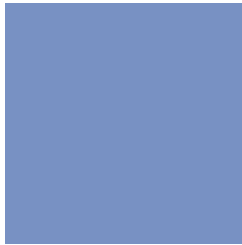
15.2828, 7.8029, 4.1354



0.6927, 0.3501, 0.3492

Previews

White Background



This preview shows how the XYZ color 27.7215, 28.1840, 55.6087 looks on a white background.

Color Contrast Check

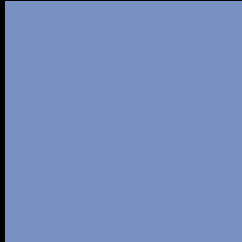
Large Text (above 18pt) WCAG AA ✓ Pass

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 27.7215, 28.1840, 55.6087 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

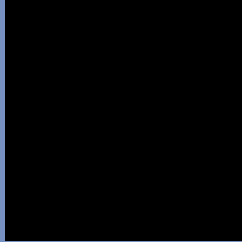
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 27.7215, 28.1840, 55.6087

Background



This preview shows how black text looks on a background with the XYZ color 27.7215, 28.1840, 55.6087.

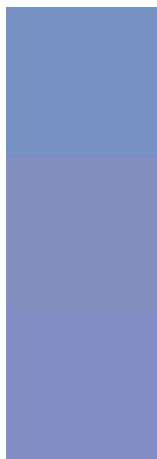


This preview shows how white text looks on a background with the XYZ color 27.7215, 28.1840,

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

27.7215, 28.1840, 55.6087

Protanopia

28.6540, 28.2410, 54.3929

Deuteranopia

28.8427, 28.0774, 56.1238



Tritanopia

24.3596, 28.2223, 38.8139

Trichromacy



Original Color

27.7215, 28.1840, 55.6087

Protanomaly

28.3150, 28.2772, 55.0046

Deuteranomaly

28.3905, 28.0661, 56.1455

Tritanomaly

25.5555, 28.2349, 44.6604

Monochromacy



Original Color

27.7215, 28.1840, 55.6087

Achromatopsia

26.1081, 27.4677, 29.9124

Achromatomaly

26.4865, 27.7060, 38.1342

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.7215, 28.1840, 55.6087 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(120, 145, 195)` looks like.

```
.text, #text, p{  
    color:rgb(120, 145, 195)  
}
```

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(120, 145, 195) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 145, 195) }
```

Border

The CSS property to change the border of an element to XYZ 27.7215, 28.1840, 55.6087 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(120, 145, 195) }
```


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

```
.border{ border-color:rgb(120, 145, 195) }
```

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

Here you see how a box with a 4 pixel `rgb(120, 145, 195)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 145, 195); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 145, 195);  
box-shadow:4px 4px 4px 4px rgb(120, 145,  
195) }
```

Background

The CSS property to change the background color of an element to XYZ 27.7215, 28.1840, 55.6087 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 145, 195) }
```

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

```
.background{ background-color: rgb(120,  
145, 195) }
```

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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