

Converting Colors

XYZ(25.8893, 23.1392, 78.7031)

Have a look what the booklet for
XYZ(25.8893, 23.1392, 78.7031)
contains.

XYZ(25.8893, 23.1392, 78.7031)	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(25.8893, 23.1392,
78.7031)**

Conversions

Conversions Part 1

Format	Color
Hex	5580E7
RGB	85, 128, 231
RGB Percent	33%, 50%, 91%
CMY	0.6666, 0.4980, 0.0941
CMYK	0.63, 0.45, 0.00, 0.09
HSL	222°, 75%, 62%
HSV	222°, 63%, 91%
XYZ	25.8893, 23.1392, 78.7031
YIQ	126.8850, -58.6910, 22.9170

Conversions

Conversions Part 2

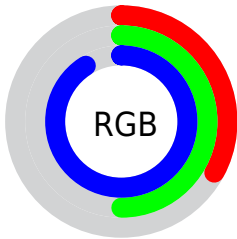
Format	Color
R _Y B	85, 118, 231
Decimal	5603559
CIE Lab	55.22, 17.15, -56.70
CIE LCh	55, 59.242, 286.828
Yxy	23.1392, 0.2027, 0.1812
Android (android.graphics.Color)	4283793639 (0xFF5580E7)
YUV	126.8850, 51.3287, -36.7331
Hunter-Lab	48.1032, 11.8886, -63.3339

Details

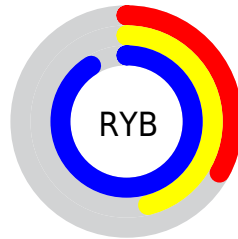
The XYZ color **25.8893, 23.1392, 78.7031** is a light color, and the websafe version is hex **6699FF**. The color can be described as light muted azure. A complement of this color would be **52.5800, 53.6146, 16.1734**, and the grayscale version is **19.9785, 21.0190, 22.8896**.

A 20% lighter version of the original color is **46.4039, 46.0656, 101.0535**, and **10.6065, 8.8325, 41.7033** is the 20% darker color. If you saturate the color by 10%, you get **22.1663, 18.3139, 77.9685**, and if you desaturate by 10%, it is **30.6400, 29.0016, 79.5848**.

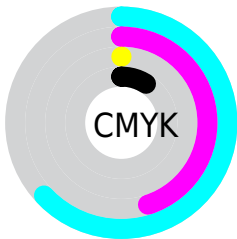
Distribution



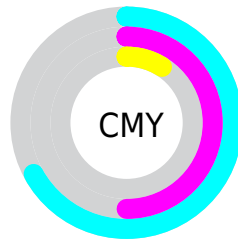
- Red (33%)
- Green (50%)
- Blue (91%)



- Red (33%)
- Yellow (46%)
- Blue (91%)



- Cyan (63%)
- Magenta (45%)
- Yellow (0%)
- Black (9%)



- Cyan (67%)
- Magenta (50%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 25.8893, 23.1392, 78.7031 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 25.8893, 23.1392, 78.7031 by changing the saturation by 10% instead.

■ 25.8893, 23.1392,
78.7031

■ 25.8893, 23.1392,
78.7031

274.5049,
268.4391, 510.1424

■ 16.8731, 14.6963,
58.1319

■ 52.5289, 48.6218,
133.3357

■ 10.2388, 8.6065,
41.4993

■ 70.8830, 66.4303,
168.2341

■ 5.6210, 4.4854,
28.3868

■ 93.0804, 88.1295,
208.7453

■ 2.6545, 1.9487,
18.3758

■ 119.4865,
114.1037, 255.2879

■ 0.9738, 0.5774,
11.0479

150.4666,
144.7374, 308.2803

■ 0.0000, 0.0000,
5.9845

186.3862,

■ 0.0000, 0.0000,

180.4149, 368.1412

2.7670

227.6105,
221.5207, 435.2891

■ 0.0000, 0.0000,
0.9769

■ 0.0000, 0.0000,
0.0000

■ 25.8893, 23.1392,
78.7031

■ 25.8893, 23.1392,
78.7031

■ 22.1663, 18.3139,
77.9685

■ 30.6400, 29.0016,
79.5848

■ 19.3823, 14.4550,
77.3704

■ 36.4906, 35.9603,
80.6196

■ 17.4365, 11.4849,
76.8996

■ 43.5101, 44.0720,
81.8153

■ 16.4927, 9.9071,
76.6448

■ 51.7606, 53.3890,
83.1788

■ 61.2997, 63.9598,
84.7165

■ 72.1811, 75.8304,
86.4342

■ 84.4557, 89.0442,
88.3378

■ 91.4239, 98.5496,
89.8052

Harmonies

Analogous

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



19.2172, 23.1392, 79.9970



25.8893, 23.1392, 78.7031



32.6482, 23.1392, 59.2886

Triad

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



25.8893, 23.1392, 78.7031



31.9063, 23.1392, 6.8593



11.7785, 23.1392, 17.7647

Complementary

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



25.8893, 23.1392, 78.7031



52.5800, 53.6146, 16.1734

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.



13.9522, 23.1392, 7.5739



25.8893, 23.1392, 78.7031



25.0242, 23.1392, 3.7554

Square

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



25.8893, 23.1392, 78.7031



36.5716, 23.1392, 16.0431



18.5089, 23.1392, 3.9272



11.9177, 23.1392, 37.2955

Rectangle

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



25.8893, 23.1392, 78.7031



35.8993, 23.1392, 42.4412



18.5089, 23.1392, 3.9272



12.2409, 23.1392, 13.3968

Sweetspot

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



25.8903, 23.1399, 78.7037



69.4650, 72.0375, 104.8512



41.3145, 62.6804, 57.0487



14.1574, 14.6278, 22.3272



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.



25.8903, 23.1399, 78.7037



26.4973, 21.2395, 97.3108



24.6394, 15.8591, 77.3643



13.9270, 14.5754, 18.2236



9.3396, 5.7413, 42.9991



0.7686, 0.5812, 3.2036

Inverse Universe

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



40.1007, 25.0458, 23.1433



46.2057, 25.9334, 19.7948



54.5197, 70.3372, 19.2989



14.5507, 14.4375, 15.8345



19.1077, 9.7773, 4.1962



1.4516, 0.7384, 0.5187

Previews

White Background



This preview shows how the XYZ color 25.8893, 23.1392, 78.7031 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 25.8893, 23.1392, 78.7031 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

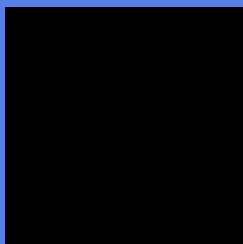
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

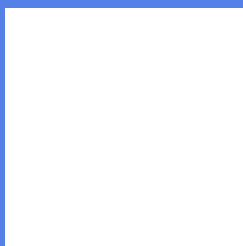
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 25.8893, 23.1392, 78.7031

Background



This preview shows how black text looks on a background with the XYZ color 25.8893, 23.1392, 78.7031.



This preview shows how white text looks on a background with the XYZ color 25.8893, 23.1392,

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

25.8893, 23.1392, 78.7031

Protanopia

25.7991, 23.0927, 78.6989

Deuteranopia

23.9858, 23.1663, 78.0703



Tritanopia

17.2083, 23.2090, 35.0253

Trichromacy



Original Color

25.8893, 23.1392, 78.7031

Protanomaly

25.7991, 23.0927, 78.6989

Deuteranomaly

24.4491, 23.0025, 78.0142

Tritanomaly

19.6433, 22.8448, 48.1739

Monochromacy



Original Color

25.8893, 23.1392, 78.7031

Achromatopsia

20.1725, 21.2231, 23.1119

Achromatomaly

21.0630, 21.3401, 38.6062

CSS Examples

Text

The CSS property to change the color of the text to XYZ 25.8893, 23.1392, 78.7031 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(85, 128, 231)` looks like.

```
.text, #text, p{  
    color:rgb(85, 128, 231)  
}
```

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(85, 128, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(85, 128, 231) }
```

Border

The CSS property to change the border of an element to XYZ 25.8893, 23.1392, 78.7031 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(85, 128, 231) }
```


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

```
.border{ border-color:rgb(85, 128, 231) }
```

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

Here you see how a box with a 4 pixel `rgb(85, 128, 231)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(85, 128, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(85, 128, 231);  
box-shadow:4px 4px 4px 4px rgb(85, 128,  
231) }
```

Background

The CSS property to change the background color of an element to XYZ 25.8893, 23.1392, 78.7031 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(85, 128, 231) }
```

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

```
.background{ background-color: rgb(85, 128,  
231) }
```

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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