

Converting Colors

XYZ(25.0078, 20.7648, 78.4932)

Have a look what the booklet for
XYZ(25.0078, 20.7648, 78.4932)
contains.

XYZ(25.0221, 20.8502, 78.3070)	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(25.0221, 20.8502,
78.3070)**

Conversions

Conversions Part 1

Format	Color
Hex	5976E7
RGB	89, 118, 231
RGB Percent	35%, 46%, 91%
CMY	0.6509, 0.5373, 0.0941
CMYK	0.61, 0.49, 0.00, 0.09
HSL	228°, 75%, 63%
HSV	228°, 61%, 91%
XYZ	25.0221, 20.8502, 78.3070
YIQ	122.2110, -53.5570, 28.9950

Conversions

Conversions Part 2

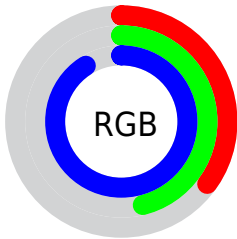
Format	Color
R _Y B	89, 113, 231
Decimal	5863143
CIE Lab	52.79, 23.97, -60.59
CIE LCh	53, 65.161, 291.580
Yxy	20.8502, 0.2015, 0.1679
Android (android.graphics.Color)	4284053223 (0xFF5976E7)
YUV	122.2110, 53.6330, -29.1260
Hunter-Lab	45.6620, 17.9068, -69.7146

Details

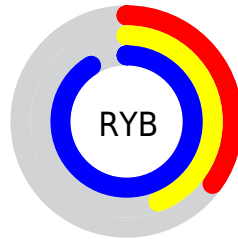
The XYZ color **25.0221, 20.8502, 78.3070** is a dark color, and the websafe version is hex **6666CC**. The color can be described as middle muted azure. A complement of this color would be **55.8812, 59.9554, 18.0803**, and the grayscale version is **18.4114, 19.3702, 21.0942**.

A 20% lighter version of the original color is **45.0024, 42.4535, 100.4302**, and **9.9280, 7.4755, 41.4771** is the 20% darker color. If you saturate the color by 10%, you get **21.1850, 15.9657, 77.5669**, and if you desaturate by 10%, it is **29.9781, 26.9381, 79.2214**.

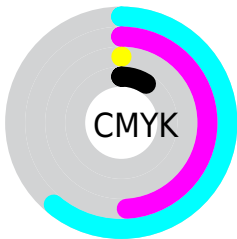
Distribution



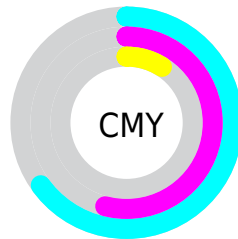
- Red (35%)
- Green (46%)
- Blue (91%)



- Red (35%)
- Yellow (44%)
- Blue (91%)



- Cyan (61%)
- Magenta (49%)
- Yellow (0%)
- Black (9%)



- Cyan (65%)
- Magenta (54%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 25.0221, 20.8502, 78.3070 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 25.0221, 20.8502, 78.3070 by changing the saturation by 10% instead.

■ 25.0221, 20.8502,
78.3070

■ 25.0221, 20.8502,
78.3070

270.2936,
256.4813, 508.7643

■ 16.2223, 13.0145,
57.8083

■ 51.1357, 44.8381,
132.7726

■ 9.7735, 7.4386,
41.2408

■ 69.1803, 61.7591,
167.5766

■ 5.3101, 3.7379,
28.1862

■ 91.0371, 82.4774,
207.9860

■ 2.4670, 1.5280,
18.2258

■ 117.0717,
107.3773, 254.4195

■ 0.8786, 0.3083,
10.9411

147.6492,
136.8433, 307.2955

■ 0.0000, 0.0000,
5.9136

183.1352,

■ 0.0000, 0.0000,

171.2597, 367.0326

2.7247

223.8948,
211.0109, 434.0494

■ 0.0000, 0.0000,
0.9558

■ 0.0000, 0.0000,
0.0000

■ 25.0221, 20.8502,
78.3070

■ 25.0221, 20.8502,
78.3070

■ 21.1850, 15.9657,
77.5669

■ 29.9781, 26.9381,
79.2214

■ 18.3720, 12.1987,
76.9881

■ 36.1318, 34.3032,
80.3186

■ 16.4757, 9.4537,
76.5582

■ 43.5578, 43.0151,
81.6088

■ 15.4471, 7.8159,
76.2963

■ 52.3235, 53.1379,
83.1007

■ 62.4917, 64.7316,
84.8026

■ 74.1212, 77.8524,
86.7222

■ 87.2672, 92.5536,
88.8670

■ 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.



17.9651, 20.8502, 83.4841



25.0221, 20.8502, 78.3070



31.9184, 20.8502, 54.7998

Triad

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



25.0221, 20.8502, 78.3070



29.0966, 20.8502, 4.1939



9.4986, 20.8502, 17.6518

Complementary

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



25.0221, 20.8502, 78.3070



55.8812, 59.9554, 18.0803

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.



11.2420, 20.8502, 6.4843



25.0221, 20.8502, 78.3070



21.7930, 20.8502, 2.1595

Square

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



25.0221, 20.8502, 78.3070



34.6202, 20.8502, 11.5331



15.3898, 20.8502, 2.6558



9.9812, 20.8502, 39.4341

Rectangle

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



25.0221, 20.8502, 78.3070



34.9788, 20.8502, 36.6983



15.3898, 20.8502, 2.6558



9.8260, 20.8502, 12.8121

Sweetspot

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



25.0230, 20.8508, 78.3075



69.5668, 71.1778, 104.6799



43.1496, 63.4576, 64.7624



14.1280, 14.3628, 22.2776



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.



25.0230, 20.8508, 78.3075



25.3512, 18.4571, 96.8342



27.0867, 17.6016, 77.5716



13.8200, 14.3614, 18.1880



8.7307, 4.5234, 42.7961



0.7106, 0.4651, 3.1843

Inverse Universe

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



39.7983, 25.4432, 19.9532



45.7468, 26.2080, 15.9661



51.8076, 68.9201, 20.0254



14.4967, 14.4159, 15.5502



18.8003, 9.6544, 2.5776



1.4223, 0.7266, 0.3644

Previews

White Background



This preview shows how the XYZ color 25.0221, 20.8502, 78.3070 looks on a white background.

Color Contrast Check

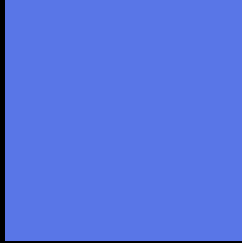
Large Text (above 18pt) WCAG AA ✓ Pass

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 25.0221, 20.8502, 78.3070 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

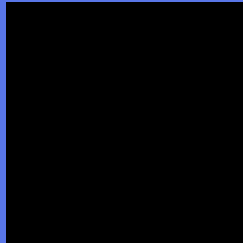
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 25.0221, 20.8502, 78.3070

Background



This preview shows how black text looks on a background with the XYZ color 25.0221, 20.8502, 78.3070.



This preview shows how white text looks on a background with the XYZ color 25.0221, 20.8502,

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

25.0221, 20.8502, 78.3070

Protanopia

24.1349, 21.0410, 81.3865

Deuteranopia

21.4466, 20.9293, 74.8609



Tritanopia

15.5894, 20.6896, 31.6056

Trichromacy



Original Color

25.0221, 20.8502, 78.3070

Protanomaly

24.5127, 21.0711, 80.6171

Deuteranomaly

21.8069, 20.3238, 76.1723

Tritanomaly

18.1692, 20.2767, 45.6040

Monochromacy



Original Color

25.0221, 20.8502, 78.3070

Achromatopsia

18.4984, 19.4618, 21.1939

Achromatomaly

19.7894, 19.5984, 36.9223

CSS Examples

Text

The CSS property to change the color of the text to XYZ 25.0221, 20.8502, 78.3070 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(89, 118, 231)` looks like.

```
.text, #text, p{  
    color:rgb(89, 118, 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(89, 118, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(89, 118, 231) }
```

Border

The CSS property to change the border of an element to XYZ 25.0221, 20.8502, 78.3070 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(89, 118, 231) }
```


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

```
.border{ border-color:rgb(89, 118, 231) }
```

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

Here you see how a box with a 4 pixel rgb(89, 118, 231) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(89, 118, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(89, 118, 231);  
box-shadow:4px 4px 4px 4px rgb(89, 118,  
231) }
```

Background

The CSS property to change the background color of an element to XYZ 25.0221, 20.8502, 78.3070 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(89, 118, 231) }
```

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

```
.background{ background-color: rgb(89, 118,  
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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