

Converting Colors

XYZ(22.4756, 18.8724, 78.1014)

Have a look what the booklet for
XYZ(22.4756, 18.8724, 78.1014)
contains.

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Color

**XYZ(22.4277, 18.8283,
78.0535)**

Conversions

Conversions Part 1

Format	Color
Hex	3E72E7
RGB	62, 114, 231
RGB Percent	24%, 45%, 91%
CMY	0.7568, 0.5529, 0.0941
CMYK	0.73, 0.51, 0.00, 0.09
HSL	222°, 78%, 57%
HSV	222°, 73%, 91%
XYZ	22.4277, 18.8283, 78.0535
YIQ	111.7900, -68.5490, 25.3630

Conversions

Conversions Part 2

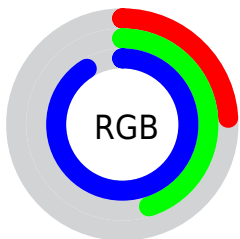
Format	Color
R _Y B	62, 102, 231
Decimal	4092647
CIE Lab	50.49, 22.40, -64.36
CIE LCh	50, 68.149, 289.185
Yxy	18.8283, 0.1880, 0.1578
Android (android.graphics.Color)	4282282727 (0xFF3E72E7)
YUV	111.7900, 58.7705, -43.6658
Hunter-Lab	43.3916, 16.3256, -76.2777

Details

The XYZ color **22.4277, 18.8283, 78.0535** is a dark color, and the websafe version is hex **3366CC**. The color can be described as middle washed azure. A complement of this color would be **49.9473, 49.5816, 11.4967**, and the grayscale version is **15.1888, 15.9798, 17.4020**.

A 20% lighter version of the original color is **40.7111, 38.8761, 99.9659**, and **9.6471, 7.0703, 40.9006** is the 20% darker color. If you saturate the color by 10%, you get **19.6256, 14.9359, 77.4503**, and if you desaturate by 10%, it is **26.1621, 23.6697, 78.7916**.

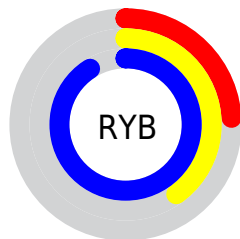
Distribution



Red (24%)

Green (45%)

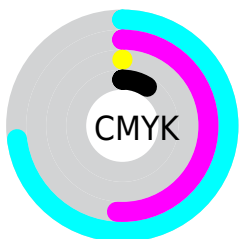
Blue (91%)



Red (24%)

Yellow (40%)

Blue (91%)

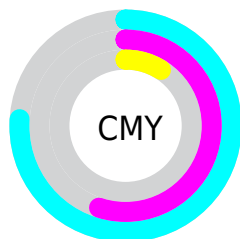


Cyan (73%)

Magenta (51%)

Yellow (0%)

Black (9%)



Cyan (76%)

Magenta (55%)

Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.4277, 18.8283, 78.0535 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 22.4277, 18.8283, 78.0535 by changing the saturation by 10% instead.

■ 22.4277, 18.8283,
78.0535

■ 22.4277, 18.8283,
78.0535

257.3623,
245.4992, 507.8812

■ 14.2899, 11.5463,
57.6012

■ 46.9255, 41.4438,
132.4121

■ 8.4056, 6.4355,
41.0756

■ 64.0162, 57.5460,
167.1555

■ 4.4095, 3.1117,
28.0580

■ 84.8218, 77.3571,
207.4997

■ 1.9363, 1.1903,
18.1300

■ 109.7078,
101.2614, 253.8632

■ 0.5978, 0.0538,
10.8729

139.0395,
129.6434, 306.6645

■ 0.0000, 0.0000,
5.8684

173.1823,

■ 0.0000, 0.0000,

162.8875, 366.3223

2.6977

212.5014,
201.3779, 433.2550

■ 0.0000, 0.0000,
0.9423

■ 0.0000, 0.0000,
0.0000

■ 22.4277, 18.8283,
78.0535

■ 22.4277, 18.8283,
78.0535

■ 19.6256, 14.9359,
77.4503

■ 26.1621, 23.6697,
78.7916

■ 17.6527, 11.9148,
76.9712

■ 30.9109, 29.5248,
79.6715

■ 16.6814, 10.2846,
76.7077

■ 36.7492, 36.4536,
80.7012

■ 43.7440, 44.5105,
81.8876

■ 51.9566, 53.7459,
83.2374

■ 61.4439, 64.2071,
84.7566

■ 72.2589, 75.9385,
86.4510

■ 84.4517, 88.9824,
88.3260

■ 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.



15.6055, 18.8283, 81.4701



22.4277, 18.8283, 78.0535



29.4015, 18.8283, 54.8892

Triad

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



22.4277, 18.8283, 78.0535



27.6048, 18.8283, 3.4119



8.0565, 18.8283, 14.3770

Complementary

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



22.4277, 18.8283, 78.0535



49.9473, 49.5816, 11.4967

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.



9.8680, 18.8283, 4.6858



22.4277, 18.8283, 78.0535



20.3998, 18.8283, 1.4764

Square

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



22.4277, 18.8283, 78.0535



32.8647, 18.8283, 10.6797



14.0195, 18.8283, 1.7286



8.3432, 18.8283, 35.0170

Rectangle

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



22.4277, 18.8283, 78.0535



32.6788, 18.8283, 36.4320



14.0195, 18.8283, 1.7286



8.4181, 18.8283, 10.0594

Sweetspot

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



22.4286, 18.8288, 78.0540



66.1733, 68.5418, 104.3499



38.5479, 61.3705, 51.6641



13.5212, 13.9550, 22.2309



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.



22.4286, 18.8288, 78.0540



23.1255, 16.5499, 96.5833



20.6606, 11.5428, 76.7408



13.9427, 14.6067, 18.2289



9.4484, 5.9588, 43.0354



0.7783, 0.6005, 3.2069

Inverse Universe

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



37.7157, 21.6504, 18.1109



44.0023, 23.1323, 14.1104



53.2705, 69.7821, 15.2207



14.5587, 14.4406, 15.8763



19.1626, 9.7993, 4.4853



1.4565, 0.7403, 0.5443

Previews

White Background



This preview shows how the XYZ color 22.4277, 18.8283, 78.0535 looks on a white background.

Color Contrast Check

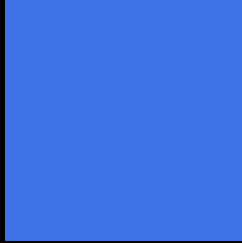
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.4277, 18.8283, 78.0535 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

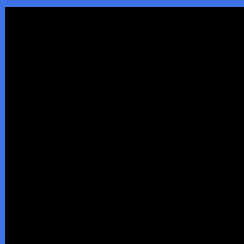
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

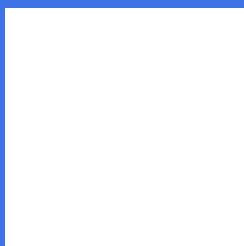
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 22.4277, 18.8283, 78.0535

Background



This preview shows how black text looks on a background with the XYZ color 22.4277, 18.8283, 78.0535.



This preview shows how white text looks on a background with the XYZ color 22.4277, 18.8283,

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

22.4277, 18.8283, 78.0535

Protanopia

22.1053, 18.7976, 79.5540

Deuteranopia

18.9698, 18.7232, 65.5649



Tritanopia

13.2700, 18.7281, 28.5067

Trichromacy



Original Color

22.4277, 18.8283, 78.0535

Protanomaly

22.2175, 18.8719, 78.8156

Deuteranomaly

19.8684, 18.5431, 70.2421

Tritanomaly

15.4542, 18.1599, 42.7351

Monochromacy



Original Color

22.4277, 18.8283, 78.0535

Achromatopsia

15.4009, 16.2029, 17.6450

Achromatomaly

16.4376, 16.5565, 33.3397

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.4277, 18.8283, 78.0535 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(62, 114, 231)` looks like.

```
.text, #text, p{  
    color:rgb(62, 114, 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(62, 114, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(62, 114, 231) }
```

Border

The CSS property to change the border of an element to XYZ 22.4277, 18.8283, 78.0535 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(62, 114, 231) }
```


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

```
.border{ border-color:rgb(62, 114, 231) }
```

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

Here you see how a box with a 4 pixel `rgb(62, 114, 231)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(62, 114, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(62, 114, 231);  
box-shadow:4px 4px 4px 4px rgb(62, 114,  
231) }
```

Background

The CSS property to change the background color of an element to XYZ 22.4277, 18.8283, 78.0535 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(62, 114, 231) }
```

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

```
.background{ background-color: rgb(62, 114,  
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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