

Converting Colors

XYZ(22.2784, 15.1384, 58.3733)

Have a look what the booklet for
XYZ(22.2784, 15.1384, 58.3733)
contains.

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Color

**XYZ(22.2757, 15.1783,
58.2556)**

Conversions

Conversions Part 1

Format	Color
Hex	7B56CB
RGB	123, 86, 203
RGB Percent	48%, 34%, 80%
CMY	0.5176, 0.6627, 0.2039
CMYK	0.39, 0.58, 0.00, 0.20
HSL	259°, 53%, 57%
HSV	259°, 58%, 80%
XYZ	22.2757, 15.1783, 58.2556
YIQ	110.4010, -15.5050, 44.2310

Conversions

Conversions Part 2

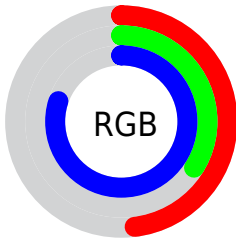
Format	Color
R _Y B	123, 86, 203
Decimal	8083147
CIE Lab	45.88, 41.56, -55.68
CIE LCh	46, 69.478, 306.738
Yxy	15.1783, 0.2327, 0.1586
Android (android.graphics.Color)	4286273227 (0xFF7B56CB)
YUV	110.4010, 45.6513, 11.0493
Hunter-Lab	38.9593, 33.8817, -61.3843

Details

The XYZ color **22.2757, 15.1783, 58.2556** is a dark color, and the websafe version is hex **9966CC**. The color can be described as middle muted purple. A complement of this color would be **38.7612, 51.4908, 16.7001**, and the grayscale version is **14.8127, 15.5842, 16.9712**.

A 20% lighter version of the original color is **45.8181, 34.8146, 98.9128**, and **8.3531, 4.7176, 28.4873** is the 20% darker color. If you saturate the color by 10%, you get **19.0323, 11.4325, 57.7038**, and if you desaturate by 10%, it is **26.2622, 19.9906, 58.9747**.

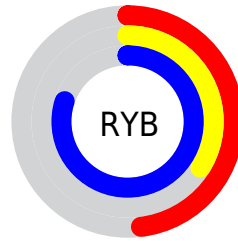
Distribution



Red (48%)

Green (34%)

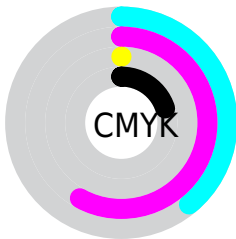
Blue (80%)



Red (48%)

Yellow (34%)

Blue (80%)

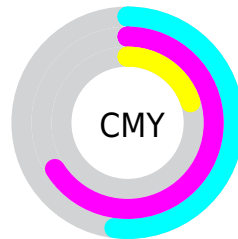


Cyan (39%)

Magenta (58%)

Yellow (0%)

Black (20%)



Cyan (52%)

Magenta (66%)

Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.2757, 15.1783, 58.2556 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 22.2757, 15.1783, 58.2556 by changing the saturation by 10% instead.

■ 22.2757, 15.1783,
58.2556

■ 22.2757, 15.1783,
58.2556

256.5881,
224.4429, 435.7625

■ 14.1774, 8.9446,
41.5981

■ 46.6767, 35.1657,
103.8134

■ 8.3267, 4.7051,
28.4635

■ 63.7101, 49.6881,
133.5509

■ 4.3582, 2.0753,
18.4333

■ 84.4525, 67.7423,
168.4853

■ 1.9067, 0.6507,
11.0889

■ 109.2694, 89.7126,
209.0354

■ 0.5807, 0.0000,
6.0117

■ 138.5260,
115.9835, 255.6196

■ 0.0000, 0.0000,
2.7833

172.5878,

■ 0.0000, 0.0000,

146.9392, 308.6565

0.9851

211.8200,
182.9642, 368.5646

■ 0.0000, 0.0000,
0.0000

■ 22.2757, 15.1783,
58.2556

■ 22.2757, 15.1783,
58.2556

■ 19.0323, 11.4325,
57.7038

■ 26.2622, 19.9906,
58.9747

■ 16.4780, 8.6653,
57.3044

■ 31.0362, 25.9445,
59.8723

■ 14.5540, 6.7769,
57.0413

■ 36.6409, 33.1097,
60.9599

■ 13.1798, 5.6265,
56.8916

■ 43.1156, 41.5501,
62.2478

■ 12.9071, 5.4086,
56.8640

■ 50.4969, 51.3248,
63.7455

■ 58.8193, 62.4892,
65.4618

■ 68.1154, 75.0956,
67.4051

■ 78.4163, 89.1935,
69.5833

■ 85.2235, 95.7741,
70.4948

Harmonies

Analogous

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



15.7902, 15.1783, 73.8015



22.2757, 15.1783, 58.2556



27.4609, 15.1783, 32.8395

Triad

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



22.2757, 15.1783, 58.2556



19.3529, 15.1783, 1.0712



5.8768, 15.1783, 20.6119

Complementary

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



22.2757, 15.1783, 58.2556



38.7612, 51.4908, 16.7001

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.



6.3498, 15.1783, 6.7733



22.2757, 15.1783, 58.2556



13.1437, 15.1783, 0.7062

Square

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



22.2757, 15.1783, 58.2556



25.4789, 15.1783, 3.7596



8.6790, 15.1783, 1.8061



7.1464, 15.1783, 44.3409

Rectangle

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



22.2757, 15.1783, 58.2556



28.8637, 15.1783, 18.4328



8.6790, 15.1783, 1.8061



5.8442, 15.1783, 14.7566

Sweetspot

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



22.2764, 15.1788, 58.2560



72.6698, 70.1977, 104.3271



28.6017, 34.2589, 61.6054



15.0533, 14.3673, 22.2297



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.



22.2764, 15.1788, 58.2560



30.7926, 17.9450, 96.4485



32.8370, 20.6230, 58.7502



10.9301, 11.0133, 14.1201



8.2980, 3.4853, 36.1916



0.5069, 0.2204, 1.8708

Inverse Universe

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



34.8394, 22.1054, 38.5058



54.3895, 30.9991, 57.3648



29.3919, 46.6607, 16.2616



11.5307, 11.3410, 13.3291



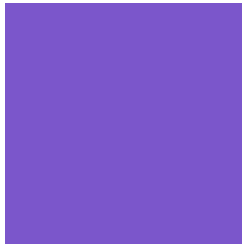
18.6727, 9.2797, 16.5271



0.9967, 0.4921, 1.0287

Previews

White Background



This preview shows how the XYZ color 22.2757, 15.1783, 58.2556 looks on a white 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

Black Background



This preview shows how the XYZ color 22.2757, 15.1783, 58.2556 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

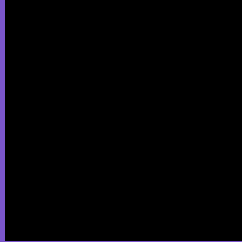
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 22.2757, 15.1783, 58.2556

Background



This preview shows how black text looks on a background with the XYZ color 22.2757, 15.1783, 58.2556.



This preview shows how white text looks on a background with the XYZ color 22.2757, 15.1783,

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

22.2757, 15.1783, 58.2556

Deuteranopia

15.6482, 15.3544, 54.3635

Tritanopia

14.4476, 15.1883, 19.3097

Trichromacy



Original Color

22.2757, 15.1783, 58.2556

Deuteranomaly

16.1424, 14.1842, 55.9199

Tritanomaly

16.6340, 14.8568, 30.4247

Monochromacy



Original Color

22.2757, 15.1783, 58.2556

Achromatopsia

14.8208, 15.5926, 16.9804

Achromatomaly

16.7580, 14.9658, 28.3910

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.2757, 15.1783, 58.2556 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(123, 86, 203)` looks like.

```
.text, #text, p{  
  color:rgb(123, 86, 203)  
}
```

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(123, 86, 203) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 86, 203) }
```

Border

The CSS property to change the border of an element to XYZ 22.2757, 15.1783, 58.2556 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(123, 86, 203) }
```

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

```
.border{ border-color:rgb(123, 86, 203) }
```

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

Here you see how a box with a 4 pixel `rgb(123, 86, 203)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 86, 203); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 86, 203);  
box-shadow:4px 4px 4px 4px rgb(123, 86,  
203) }
```


Background

The CSS property to change the background color of an element to XYZ 22.2757, 15.1783, 58.2556 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 86, 203) }
```

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

```
.background{ background-color: rgb(123, 86,  
203) }
```

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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