

Converting Colors

XYZ(22.4643, 20.6305, 35.5592)

Have a look what the booklet for
XYZ(22.4643, 20.6305, 35.5592)
contains.

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Color

**XYZ(22.5277, 20.6834,
35.6058)**

Conversions

Conversions Part 1

Format	Color
Hex	85779F
RGB	133, 119, 159
RGB Percent	52%, 47%, 62%
CMY	0.4784, 0.5333, 0.3765
CMYK	0.16, 0.25, 0.00, 0.38
HSL	261°, 17%, 55%
HSV	261°, 25%, 62%
XYZ	22.5277, 20.6834, 35.6058
YIQ	127.7460, -4.4960, 15.4080

Conversions

Conversions Part 2

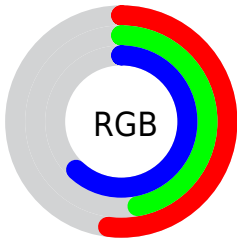
Format	Color
RYB	133, 119, 159
Decimal	8746911
CIELab	52.60, 13.74, -19.51
CIElCh	53, 23.861, 305.144
Yxy	20.6834, 0.2858, 0.2624
Android (android.graphics.Color)	4286936991 (0xFF85779F)
YUV	127.7460, 15.4082, 4.6078
Hunter-Lab	45.4790, 8.8304, -14.5832

Details

The XYZ color **22.5277, 20.6834, 35.6058** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **27.4056, 32.1484, 22.2145**, and the grayscale version is **20.3799, 21.4413, 23.3495**.

A 20% lighter version of the original color is **47.1940, 44.5457, 69.7291**, and **8.4744, 7.4070, 14.8930** is the 20% darker color. If you saturate the color by 10%, you get **19.2393, 16.4106, 34.9547**, and if you desaturate by 10%, it is **26.2946, 25.6739, 36.3709**.

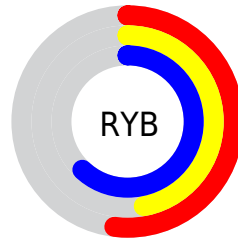
Distribution



Red (52%)

Green (47%)

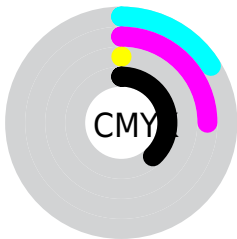
Blue (62%)



Red (52%)

Yellow (47%)

Blue (62%)

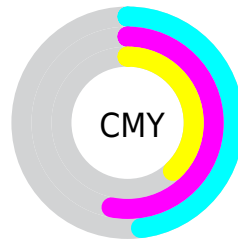


Cyan (16%)

Magenta (25%)

Yellow (0%)

Black (38%)



Cyan (48%)

Magenta (53%)

Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.5277, 20.6834, 35.6058 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 22.5277, 20.6834, 35.6058 by changing the saturation by 10% instead.

■ 22.5277, 20.6834,
35.6058

■ 22.5277, 20.6834,
35.6058

257.8707,
255.5911, 342.2194

■ 14.3639, 12.8928,
23.8426

■ 47.0890, 44.5600,
69.5854

■ 8.4576, 7.3548,
15.0058

■ 64.2173, 61.4148,
92.6389

■ 4.4434, 3.6849,
8.6768

■ 85.0644, 82.0598,
120.2928

■ 1.9559, 1.4989,
4.4370

109.9958,
106.8793, 152.9659

■ 0.6090, 0.2880,
1.8680

139.3767,
136.2578, 191.0765

■ 0.0000, 0.0000,
0.4723

173.5726,

■ 0.0000, 0.0000,

170.5797, 235.0433

0.0000

212.9488,
210.2293, 285.2848

■ 22.5277, 20.6834,
35.6058

■ 22.5277, 20.6834,
35.6058

■ 19.2393, 16.4106,
34.9547

■ 26.2946, 25.6739,
36.3709

■ 16.4070, 12.8190,
34.4107

■ 30.5571, 31.4110,
37.2536

■ 14.0096, 9.8729,
33.9684

■ 35.3338, 37.9253,
38.2592

■ 12.0233, 7.5319,
33.6213

■ 40.6418, 45.2448,
39.3922

■ 10.4215, 5.7512,
33.3620

■ 46.4973, 53.3961,
40.6570

■ 9.1744, 4.4795,
33.1823

■ 52.9159, 62.4046,
42.0575

■ 8.2450, 3.6516,
33.0715

■ 59.9124, 72.2946,
43.5977

■ 7.8694, 3.3339,
33.0299

■ 67.5012, 83.0894,
45.2813

■ 73.3880, 90.1950,
46.3426

Harmonies

Analogous

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



20.0887, 20.6834, 39.0061



22.5277, 20.6834, 35.6058



24.3012, 20.6834, 28.7496

Triad

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



22.5277, 20.6834, 35.6058



21.7281, 20.6834, 12.2791



15.2897, 20.6834, 23.7649

Complementary

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



22.5277, 20.6834, 35.6058



27.4056, 32.1484, 22.2145

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.



15.6491, 20.6834, 17.2635



22.5277, 20.6834, 35.6058



19.2354, 20.6834, 11.4905

Square

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



22.5277, 20.6834, 35.6058



23.8130, 20.6834, 15.5508



17.0447, 20.6834, 13.1128



16.0184, 20.6834, 31.3129

Rectangle

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



22.5277, 20.6834, 35.6058



24.7926, 20.6834, 23.6944



17.0447, 20.6834, 13.1128



15.2879, 20.6834, 21.3864

Sweetspot

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



22.5284, 20.6843, 35.6063



52.3420, 53.0314, 66.2208



24.0940, 26.8809, 36.7198



11.5484, 11.6160, 14.8771



76.7382, 80.7346, 87.9200



13.3056, 13.9985, 15.2444

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



22.5284, 20.6843, 35.6063



37.0526, 32.7436, 63.1107



25.8668, 22.4053, 35.7625



6.4928, 6.5425, 8.3273



6.2571, 2.6547, 26.0899



0.1554, 0.0699, 0.4685

Inverse Universe

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



26.0064, 22.6097, 29.7823



44.4112, 36.8219, 50.5897



24.2837, 30.5390, 22.0684



6.8055, 6.7151, 7.8267



13.2610, 6.6090, 10.8913



0.2564, 0.1259, 0.2964

Previews

White Background



This preview shows how the XYZ color 22.5277, 20.6834, 35.6058 looks on a white background.

Color Contrast Check

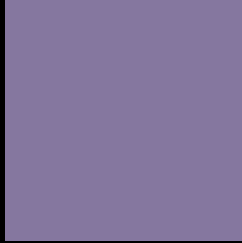
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.5277, 20.6834, 35.6058 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

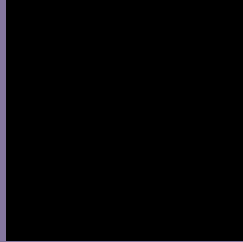
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 22.5277, 20.6834, 35.6058

Background



This preview shows how black text looks on a background with the XYZ color 22.5277, 20.6834, 35.6058.



This preview shows how white text looks on a background with the XYZ color 22.5277, 20.6834,

35.6058.

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

22.5277, 20.6834, 35.6058

Protanopia

20.8887, 20.7045, 37.5457

Deuteranopia

21.1397, 20.6995, 35.2290



Tritanopia

20.4946, 20.7759, 25.1203

Trichromacy



Original Color

22.5277, 20.6834, 35.6058

Protanomaly

21.5072, 20.6653, 37.0377

Deuteranomaly

21.5885, 20.7477, 35.2146

Tritanomaly

21.0479, 20.6179, 28.4615

Monochromacy



Original Color

22.5277, 20.6834, 35.6058

Achromatopsia

20.5175, 21.5861, 23.5072

Achromatomaly

21.1997, 21.2771, 27.4156

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.5277, 20.6834, 35.6058 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(133, 119, 159)` looks like.

```
.text, #text, p{  
    color:rgb(133, 119, 159)  
}
```

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(133, 119, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 119, 159) }
```

Border

The CSS property to change the border of an element to XYZ 22.5277, 20.6834, 35.6058 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(133, 119, 159) }
```


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

```
.border{ border-color:rgb(133, 119, 159) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 119, 159)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 119, 159); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 119, 159);  
box-shadow:4px 4px 4px 4px rgb(133, 119,  
159) }
```

Background

The CSS property to change the background color of an element to XYZ 22.5277, 20.6834, 35.6058 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 119, 159) }
```

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

```
.background{ background-color: rgb(133,  
119, 159) }
```

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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