

Converting Colors

XYZ(22.5346, 20.0741, 35.0799)

Have a look what the booklet for
XYZ(22.5346, 20.0741, 35.0799)
contains.

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Color

**XYZ(22.4556, 19.9643,
35.0177)**

Conversions

Conversions Part 1

Format	Color
Hex	88739E
RGB	136, 115, 158
RGB Percent	53%, 45%, 62%
CMY	0.4667, 0.5490, 0.3804
CMYK	0.14, 0.27, 0.00, 0.38
HSL	269°, 18%, 54%
HSV	269°, 27%, 62%
XYZ	22.4556, 19.9643, 35.0177
YIQ	126.1810, -1.2870, 17.8250

Conversions

Conversions Part 2

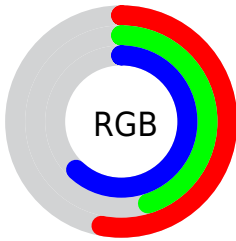
Format	Color
R_{YB}	136, 115, 158
Decimal	8942494
CIE _{Lab}	51.80, 16.87, -20.14
CIE _{LCh}	52, 26.270, 309.960
Yxy	19.9643, 0.2900, 0.2578
Android (android.graphics.Color)	4287132574 (0xFF88739E)
YUV	126.1810, 15.6868, 8.6113
Hunter-Lab	44.6814, 11.5165, -15.1897

Details

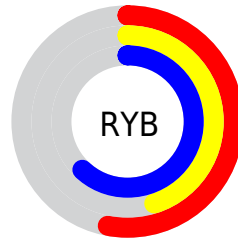
The XYZ color **22.4556, 19.9643, 35.0177** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **25.6385, 31.0104, 20.8548**, and the grayscale version is **19.8419, 20.8752, 22.7331**.

A 20% lighter version of the original color is **47.0642, 43.3887, 68.8451**, and **8.4464, 7.0334, 14.5481** is the 20% darker color. If you saturate the color by 10%, you get **19.5424, 16.0136, 34.4090**, and if you desaturate by 10%, it is **25.7780, 24.5853, 35.7349**.

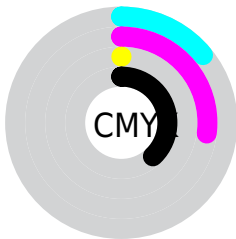
Distribution



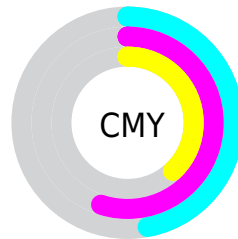
- Red (53%)
- Green (45%)
- Blue (62%)



- Red (53%)
- Yellow (45%)
- Blue (62%)



- Cyan (14%)
- Magenta (27%)
- Yellow (0%)
- Black (38%)



- Cyan (47%)
- Magenta (55%)
- Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.4556, 19.9643, 35.0177 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 22.4556, 19.9643, 35.0177 by changing the saturation by 10% instead.

■ 22.4556, 19.9643,
35.0177

■ 22.4556, 19.9643,
35.0177

257.5043,
251.7218, 339.5531

■ 14.3105, 12.3691,
23.3928

■ 46.9711, 43.3573,
68.6651

■ 8.4201, 6.9956,
14.6758

■ 64.0723, 59.9239,
91.5247

■ 4.4190, 3.4593,
8.4481

■ 84.8895, 80.2498,
118.9663

■ 1.9418, 1.3760,
4.2911

■ 109.7882,
104.7193, 151.4084

■ 0.6009, 0.1989,
1.7864

139.1336,
133.7169, 189.2696

■ 0.0000, 0.0000,
0.4189

173.2912,

■ 0.0000, 0.0000,

167.6269, 232.9684

0.0000

212.6263,
206.8337, 282.9234

■ 22.4556, 19.9643,
35.0177

■ 22.4556, 19.9643,
35.0177

■ 19.5424, 16.0136,
34.4090

■ 25.7780, 24.5853,
35.7349

■ 17.0184, 12.6981,
33.9021

■ 29.5243, 29.9046,
36.5641

■ 14.8651, 9.9833,
33.4916

■ 33.7109, 35.9513,
37.5106

■ 13.0610, 7.8301,
33.1710

■ 38.3528, 42.7522,
38.5787

■ 11.5825, 6.1947,
32.9333

■ 43.4640, 50.3329,
39.7725

10.4025, 5.0264,
32.7700

49.0580, 58.7176,
41.0961

9.4784, 4.2443,
32.6677

55.1479, 67.9294,
42.5531

9.2452, 4.0532,
32.6431

61.7460, 77.9906,
44.1474

68.1573, 87.5085,
45.6466

Harmonies

Analogous

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



19.8744, 19.9643, 39.6039



22.4556, 19.9643, 35.0177



24.2005, 19.9643, 27.1567

Triad

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



22.4556, 19.9643, 35.0177



20.7837, 19.9643, 10.6715



14.3682, 19.9643, 24.3725

Complementary

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



22.4556, 19.9643, 35.0177



25.6385, 31.0104, 20.8548

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.



14.5624, 19.9643, 17.0923



22.4556, 19.9643, 35.0177



18.1040, 19.9643, 10.2621

Square

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



22.4556, 19.9643, 35.0177



23.1744, 19.9643, 13.6181



15.8749, 19.9643, 12.3280



15.3170, 19.9643, 32.5747

Rectangle

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



22.4556, 19.9643, 35.0177



24.5668, 19.9643, 21.7479



15.8749, 19.9643, 12.3280



14.3043, 19.9643, 21.7275

Sweetspot

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



22.4562, 19.9651, 35.0181



52.9406, 53.3400, 66.2488



22.2190, 24.0672, 35.8224



11.7054, 11.6970, 14.8845



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.



22.4562, 19.9651, 35.0181



37.2941, 31.5057, 62.8590



26.2628, 21.9275, 35.1963



6.5777, 6.5863, 8.3313



7.4497, 3.2695, 26.1457



0.1819, 0.0836, 0.4698

Inverse Universe

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



24.7473, 21.3375, 26.4820



42.3192, 34.5166, 44.1004



22.4869, 29.3856, 20.7073



6.7676, 6.7000, 7.6272



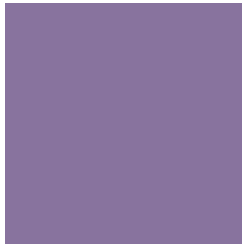
12.4978, 6.3037, 6.8721



0.2448, 0.1213, 0.2353

Previews

White Background



This preview shows how the XYZ color 22.4556, 19.9643, 35.0177 looks on a white background.

Color Contrast Check

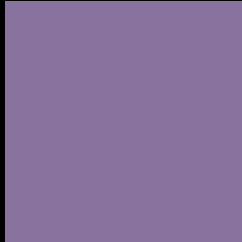
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.4556, 19.9643, 35.0177 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 22.4556, 19.9643, 35.0177

Background



This preview shows how black text looks on a background with the XYZ color 22.4556, 19.9643, 35.0177.



This preview shows how white text looks on a background with the XYZ color 22.4556, 19.9643,

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

22.4556, 19.9643, 35.0177

Protanopia

20.2525, 20.0082, 37.4449

Deuteranopia

20.3944, 19.9606, 34.6762



Tritanopia

20.1058, 19.8699, 23.8947

Trichromacy



Original Color

22.4556, 19.9643, 35.0177

Protanomaly

20.9150, 19.8318, 36.4438

Deuteranomaly

21.1401, 19.9879, 34.6421

Tritanomaly

20.8849, 19.8369, 27.5391

Monochromacy



Original Color

22.4556, 19.9643, 35.0177

Achromatopsia

19.8309, 20.8637, 22.7206

Achromatomaly

20.7529, 20.4999, 26.9078

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.4556, 19.9643, 35.0177 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(136, 115, 158)` looks like.

```
.text, #text, p{  
    color:rgb(136, 115, 158)  
}
```

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(136, 115, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(136, 115, 158) }
```

Border

The CSS property to change the border of an element to XYZ 22.4556, 19.9643, 35.0177 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(136, 115, 158) }
```


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

```
.border{ border-color:rgb(136, 115, 158) }
```

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

Here you see how a box with a 4 pixel `rgb(136, 115, 158)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(136, 115, 158); -webkit-box-  
shadow:4px 4px 4px 4px rgb(136, 115, 158);  
box-shadow:4px 4px 4px 4px rgb(136, 115,  
158) }
```

Background

The CSS property to change the background color of an element to XYZ 22.4556, 19.9643, 35.0177 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(136, 115, 158) }
```

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

```
.background{ background-color: rgb(136,  
115, 158) }
```

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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