

Converting Colors

XYZ(22.4019, 24.5027, 35.1586)

Have a look what the booklet for
XYZ(22.4019, 24.5027, 35.1586)
contains.

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Color

**XYZ(22.4358, 24.5785,
35.0141)**

Conversions

Conversions Part 1

Format	Color
Hex	748B9C
RGB	116, 139, 156
RGB Percent	45%, 55%, 61%
CMY	0.5451, 0.4549, 0.3882
CMYK	0.26, 0.11, 0.00, 0.39
HSL	205°, 17%, 53%
HSV	205°, 26%, 61%
XYZ	22.4358, 24.5785, 35.0141
YIQ	134.0610, -19.1650, 0.4110

Conversions

Conversions Part 2

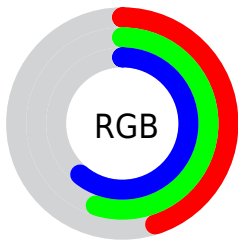
Format	Color
R _Y B	116, 131, 156
Decimal	7637916
CIE Lab	56.66, -4.19, -11.74
CIE LCh	57, 12.468, 250.357
Yxy	24.5785, 0.2735, 0.2996
Android (android.graphics.Color)	4285827996 (0xFF748B9C)
YUV	134.0610, 10.8159, -15.8395
Hunter-Lab	49.5767, -5.9796, -7.1705

Details

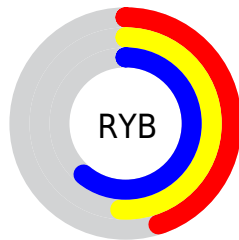
The XYZ color **22.4358, 24.5785, 35.0141** is a dark color, and the websafe version is hex **999999**. A complement of this color would be **25.2505, 25.1041, 20.0383**, and the grayscale version is **22.6495, 23.8290, 25.9498**.

A 20% lighter version of the original color is **46.8447, 50.7874, 68.3067**, and **8.4369, 9.3580, 14.7262** is the 20% darker color. If you saturate the color by 10%, you get **19.6029, 21.7366, 34.6153**, and if you desaturate by 10%, it is **25.6767, 27.7184, 35.4498**.

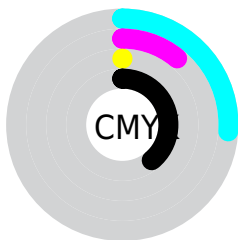
Distribution



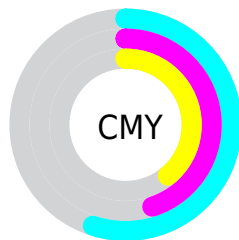
- Red (45%)
- Green (55%)
- Blue (61%)



- Red (45%)
- Yellow (51%)
- Blue (61%)



- Cyan (26%)
- Magenta (11%)
- Yellow (0%)
- Black (39%)



- Cyan (55%)
- Magenta (45%)
- Yellow (39%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.4358, 24.5785, 35.0141 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 22.4358, 24.5785, 35.0141 by changing the saturation by 10% instead.

■ 22.4358, 24.5785,
35.0141

■ 22.4358, 24.5785,
35.0141

257.4036,
275.7323, 339.5367

■ 14.2959, 15.7633,
23.3901

■ 46.9387, 50.9726,
68.6594

■ 8.4098, 9.3568,
14.6738

■ 64.0325, 69.3203,
91.5178

■ 4.4123, 4.9746,
8.4467

■ 84.8415, 91.6143,
118.9581

■ 1.9379, 2.2324,
4.2902

109.7311,
118.2389, 151.3988

■ 0.5987, 0.7376,
1.7859

139.0668,
149.5787, 189.2585

■ 0.0000, 0.0000,
0.4186

173.2139,

■ 0.0000, 0.0000,

186.0179, 232.9557

0.0000

212.5377,
227.9409, 282.9089

■ 22.4358, 24.5785,
35.0141

■ 22.4358, 24.5785,
35.0141

■ 19.6029, 21.7366,
34.6153

■ 25.6767, 27.7184,
35.4498

■ 17.1573, 19.1786,
34.2504

■ 29.3405, 31.1636,
35.9216

■ 15.0798, 16.8938,
33.9189

■ 33.4440, 34.9249,
36.4314

■ 13.3487, 14.8692,
33.6194

■ 38.0026, 39.0114,
36.9799

■ 11.9393, 13.0907,
33.3504

■ 43.0307, 43.4322,
37.5682

■ 10.8239, 11.5420,
33.1102

■ 48.5421, 48.1956,
38.1971

■ 9.9650, 10.2022,
32.8969

■ 54.5500, 53.3098,
38.8676

■ 9.6322, 9.6632,
32.8104

■ 61.0672, 58.7826,
39.5805

■ 67.5880, 64.3546,
40.3123

Harmonies

Analogous

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



21.2990, 24.5785, 32.2763



22.4358, 24.5785, 35.0141



23.8663, 24.5785, 35.4161

Triad

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



22.4358, 24.5785, 35.0141



26.2144, 24.5785, 25.3509



21.6007, 24.5785, 21.1234

Complementary

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



22.4358, 24.5785, 35.0141



25.2505, 25.1041, 20.0383

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.



22.8631, 24.5785, 19.6464



22.4358, 24.5785, 35.0141



25.5522, 24.5785, 21.9142

Square

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



22.4358, 24.5785, 35.0141



26.0884, 24.5785, 29.5385



24.3116, 24.5785, 19.9201



20.8309, 24.5785, 24.1648

Rectangle

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



22.4358, 24.5785, 35.0141



24.7996, 24.5785, 34.2652



24.3116, 24.5785, 19.9201



21.9793, 24.5785, 20.4425

Sweetspot

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



22.4365, 24.5795, 35.0147



51.5403, 54.9722, 65.0210



23.3021, 29.1747, 26.4734



11.1284, 11.8972, 14.2802



74.8435, 78.7412, 85.7492



12.6291, 13.2868, 14.4694

Same Dimension

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



22.4365, 24.5795, 35.0147



37.5897, 41.4951, 63.1549



19.8403, 19.3870, 34.1493



6.5855, 7.0367, 8.4178



7.9688, 8.0291, 27.0370



0.1839, 0.2263, 0.4972

Inverse Universe

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



24.6165, 21.4234, 27.2648



42.3397, 34.9957, 46.1838



28.1999, 31.0028, 21.0214



6.7849, 6.7069, 7.7182



12.8205, 6.4328, 8.5715



0.2501, 0.1234, 0.2633

Previews

White Background



This preview shows how the XYZ color 22.4358, 24.5785, 35.0141 looks on a white background.

Color Contrast Check

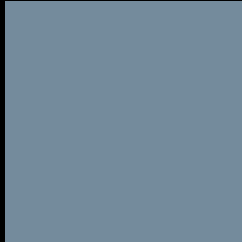
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.4358, 24.5785, 35.0141 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

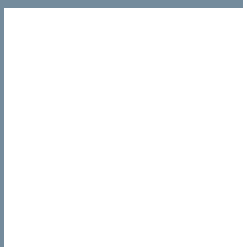
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 22.4358, 24.5785, 35.0141

Background



This preview shows how black text looks on a background with the XYZ color 22.4358, 24.5785, 35.0141.



This preview shows how white text looks on a background with the XYZ color 22.4358, 24.5785,

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

22.4358, 24.5785, 35.0141

Protanopia

24.0866, 24.6144, 33.6185

Deuteranopia

24.8183, 24.3401, 35.2883



Tritanopia

22.0342, 24.6354, 32.8719

Trichromacy



Original Color

22.4358, 24.5785, 35.0141

Protanomaly

23.3893, 24.4534, 34.0591

Deuteranomaly

23.9557, 24.5081, 35.3662

Tritanomaly

22.1981, 24.7009, 33.7348

Monochromacy



Original Color

22.4358, 24.5785, 35.0141

Achromatopsia

22.6597, 23.8398, 25.9615

Achromatomaly

22.4390, 24.0733, 29.0551

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.4358, 24.5785, 35.0141 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(116, 139, 156)` looks like.

```
.text, #text, p{  
    color:rgb(116, 139, 156)  
}
```

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(116, 139, 156) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 139, 156) }
```

Border

The CSS property to change the border of an element to XYZ 22.4358, 24.5785, 35.0141 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(116, 139, 156) }
```


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

```
.border{ border-color:rgb(116, 139, 156) }
```

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

Here you see how a box with a 4 pixel `rgb(116, 139, 156)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(116, 139, 156); -webkit-box-  
shadow:4px 4px 4px 4px rgb(116, 139, 156);  
box-shadow:4px 4px 4px 4px rgb(116, 139,  
156) }
```

Background

The CSS property to change the background color of an element to XYZ 22.4358, 24.5785, 35.0141 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 139, 156) }
```

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

```
.background{ background-color: rgb(116,  
139, 156) }
```

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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