

Converting Colors

XYZ(21.4355, 22.7104, 35.5035)

Have a look what the booklet for
XYZ(21.4355, 22.7104, 35.5035)
contains.

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Color

**XYZ(21.4985, 22.8211,
35.6196)**

Conversions

Conversions Part 1

Format	Color
Hex	72859E
RGB	114, 133, 158
RGB Percent	45%, 52%, 62%
CMY	0.5529, 0.4784, 0.3804
CMYK	0.28, 0.16, 0.00, 0.38
HSL	214°, 18%, 53%
HSV	214°, 28%, 62%
XYZ	21.4985, 22.8211, 35.6196
YIQ	130.1690, -19.3490, 3.7470

Conversions

Conversions Part 2

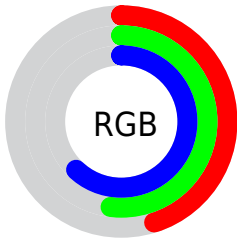
Format	Color
R_YB	114, 127, 158
Decimal	7505310
CIE _{Lab}	54.89, -0.91, -15.59
CIE _{LCh}	55, 15.614, 266.675
Yxy	22.8211, 0.2689, 0.2855
Android (android.graphics.Color)	4285695390 (0xFF72859E)
YUV	130.1690, 13.7207, -14.1802
Hunter-Lab	47.7714, -3.2700, -10.7681

Details

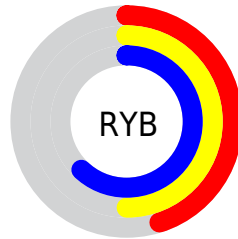
The XYZ color **21.4985, 22.8211, 35.6196** is a dark color, and the websafe version is hex **6699CC**. A complement of this color would be **26.3707, 26.9494, 19.7320**, and the grayscale version is **21.2363, 22.3423, 24.3307**.

A 20% lighter version of the original color is **45.5055, 48.1374, 69.8438**, and **8.0041, 8.5260, 15.1337** is the 20% darker color. If you saturate the color by 10%, you get **18.4413, 19.4984, 35.1398**, and if you desaturate by 10%, it is **25.0172, 26.5388, 36.1521**.

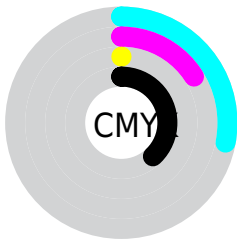
Distribution



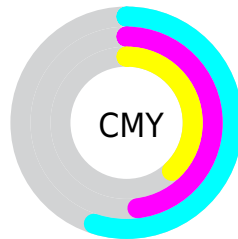
- Red (45%)
- Green (52%)
- Blue (62%)



- Red (45%)
- Yellow (50%)
- Blue (62%)



- Cyan (28%)
- Magenta (16%)
- Yellow (0%)
- Black (38%)



- Cyan (55%)
- Magenta (48%)
- Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.4985, 22.8211, 35.6196 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 21.4985, 22.8211, 35.6196 by changing the saturation by 10% instead.

■ 21.4985, 22.8211,
35.6196

■ 21.4985, 22.8211,
35.6196

252.5979,
266.8048, 342.2818

■ 13.6034, 14.4615,
23.8532

■ 45.4008, 48.0994,
69.6069

■ 7.9252, 8.4423,
15.0136

■ 62.1387, 65.7869,
92.6650

■ 4.0985, 4.3793,
8.6822

■ 82.5548, 87.3524,
120.3239

■ 1.7580, 1.8879,
4.4405

107.0147,
113.1804, 153.0024

■ 0.4922, 0.5411,
1.8700

135.8836,
143.6552, 191.1188

■ 0.0000, 0.0000,
0.4735

169.5268,

■ 0.0000, 0.0000,

179.1613, 235.0919

0.0000

208.3098,
220.0830, 285.3400

■ 21.4985, 22.8211,
35.6196

■ 21.4985, 22.8211,
35.6196

■ 18.4413, 19.4984,
35.1398

■ 25.0172, 26.5388,
36.1521

■ 15.8227, 16.5532,
34.7093

■ 29.0147, 30.6624,
36.7374

■ 13.6206, 13.9709,
34.3269

■ 33.5100, 35.2061,
37.3774

■ 11.8104, 11.7344,
33.9906

■ 38.5204, 40.1820,
38.0738

■ 10.3643, 9.8250,
33.6983

■ 44.0624, 45.6022,
38.8279

■ 9.2504, 8.2216,
33.4475

■ 50.1517, 51.4780,
39.6411

■ 8.4147, 6.8916,
33.2349

■ 56.8032, 57.8204,
40.5148

■ 8.2529, 6.6311,
33.1931

■ 64.0313, 64.6398,
41.4501

■ 71.4062, 71.7177,
42.4276

Harmonies

Analogous

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



19.9147, 22.8211, 33.6853



21.4985, 22.8211, 35.6196



23.2181, 22.8211, 34.3663

Triad

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



21.4985, 22.8211, 35.6196



24.7998, 22.8211, 20.8135



19.0292, 22.8211, 19.9750

Complementary

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



21.4985, 22.8211, 35.6196



26.3707, 26.9494, 19.7320

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.



20.2319, 22.8211, 17.2731



21.4985, 22.8211, 35.6196



23.5694, 22.8211, 17.7101

Square

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



21.4985, 22.8211, 35.6196



25.1827, 22.8211, 25.4047



21.8842, 22.8211, 16.5020



18.5376, 22.8211, 24.3001

Rectangle

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



21.4985, 22.8211, 35.6196



24.2009, 22.8211, 31.9720



21.8842, 22.8211, 16.5020



19.3605, 22.8211, 18.8701

Sweetspot

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



21.4992, 22.8220, 35.6201



52.4523, 55.4396, 66.6798



23.8221, 29.8937, 28.9156



11.5775, 12.2454, 14.9970



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.



21.4992, 22.8220, 35.6201



35.7233, 37.8598, 64.1683



19.5166, 18.2811, 34.8481



6.5085, 6.8828, 8.3922



6.6474, 5.3864, 26.5966



0.1601, 0.1788, 0.4893

Inverse Universe

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



24.3521, 20.9978, 24.9608



41.8024, 34.3099, 41.3791



28.7949, 32.6442, 20.7034



6.7460, 6.6913, 7.5137



12.1535, 6.1660, 5.0594



0.2381, 0.1186, 0.2001

Previews

White Background



This preview shows how the XYZ color 21.4985, 22.8211, 35.6196 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 21.4985, 22.8211, 35.6196 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

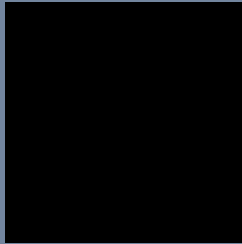
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

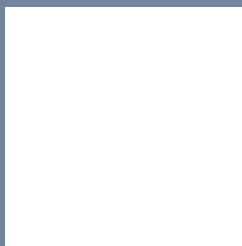
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 21.4985, 22.8211, 35.6196

Background



This preview shows how black text looks on a background with the XYZ color 21.4985, 22.8211, 35.6196.



This preview shows how white text looks on a background with the XYZ color 21.4985, 22.8211,

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

21.4985, 22.8211, 35.6196

Protanopia

22.5876, 22.8012, 34.6631

Deuteranopia

23.1831, 22.6874, 35.9581



Tritanopia

20.4078, 22.7828, 30.5160

Trichromacy



Original Color

21.4985, 22.8211, 35.6196

Protanomaly

22.2281, 22.8045, 35.1284

Deuteranomaly

22.5528, 22.7536, 36.0041

Tritanomaly

20.7122, 22.6969, 32.1435

Monochromacy



Original Color

21.4985, 22.8211, 35.6196

Achromatopsia

21.2178, 22.3228, 24.3095

Achromatomaly

21.1621, 22.4111, 28.0214

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.4985, 22.8211, 35.6196 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(114, 133, 158)` looks like.

```
.text, #text, p{  
    color:rgb(114, 133, 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(114, 133, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(114, 133, 158) }
```

Border

The CSS property to change the border of an element to XYZ 21.4985, 22.8211, 35.6196 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(114, 133, 158) }
```


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

```
.border{ border-color:rgb(114, 133, 158) }
```

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

Here you see how a box with a 4 pixel `rgb(114, 133, 158)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(114, 133, 158); -webkit-box-  
shadow:4px 4px 4px 4px rgb(114, 133, 158);  
box-shadow:4px 4px 4px 4px rgb(114, 133,  
158) }
```

Background

The CSS property to change the background color of an element to XYZ 21.4985, 22.8211, 35.6196 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(114, 133, 158) }
```

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

```
.background{ background-color: rgb(114,  
133, 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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