

Converting Colors

XYZ(21.2257, 22.2940, 35.5774)

Have a look what the booklet for
XYZ(21.2257, 22.2940, 35.5774)
contains.

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Color

**XYZ(21.2273, 22.2786,
35.5292)**

Conversions

Conversions Part 1

Format	Color
Hex	72839E
RGB	114, 131, 158
RGB Percent	45%, 51%, 62%
CMY	0.5529, 0.4863, 0.3804
CMYK	0.28, 0.17, 0.00, 0.38
HSL	217°, 18%, 53%
HSV	217°, 28%, 62%
XYZ	21.2273, 22.2786, 35.5292
YIQ	128.9950, -18.7990, 4.7930

Conversions

Conversions Part 2

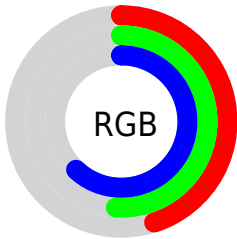
Format	Color
R_{YB}	114, 126, 158
Decimal	7504798
CIE _{Lab}	54.32, 0.25, -16.45
CIE _{LCh}	54, 16.449, 270.866
Yxy	22.2786, 0.2686, 0.2819
Android (android.graphics.Color)	4285694878 (0xFF72839E)
YUV	128.9950, 14.2995, -13.1506
Hunter-Lab	47.2002, -2.3238, -11.5894

Details

The XYZ color **21.2273, 22.2786, 35.5292** is a dark color, and the websafe version is hex **6699CC**. A complement of this color would be **26.6631, 27.5341, 19.8296**, and the grayscale version is **20.8213, 21.9056, 23.8552**.

A 20% lighter version of the original color is **45.0871, 47.3006, 69.7044**, and **7.8511, 8.2199, 15.0827** is the 20% darker color. If you saturate the color by 10%, you get **18.1053, 18.8261, 35.0277**, and if you desaturate by 10%, it is **24.8276, 26.1596, 36.0889**.

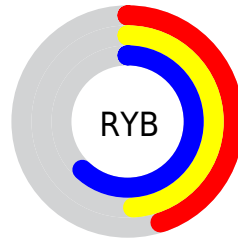
Distribution



Red (45%)

Green (51%)

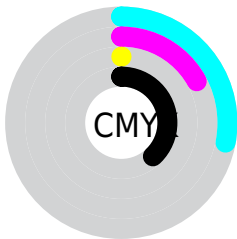
Blue (62%)



Red (45%)

Yellow (49%)

Blue (62%)

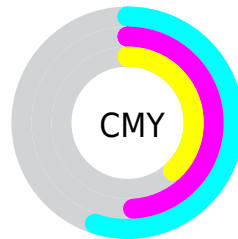


Cyan (28%)

Magenta (17%)

Yellow (0%)

Black (38%)



Cyan (55%)

Magenta (49%)

Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.2273, 22.2786, 35.5292 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 21.2273, 22.2786, 35.5292 by changing the saturation by 10% instead.

■ 21.2273, 22.2786,
35.5292

■ 21.2273, 22.2786,
35.5292

251.1929,
263.9978, 341.8730

■ 13.4037, 14.0618,
23.7840

■ 44.9539, 47.2060,
69.4656

■ 7.7860, 8.1636,
14.9628

■ 61.5877, 64.6854,
92.4939

■ 4.0090, 4.1998,
8.6469

■ 81.8888, 86.0211,
120.1203

■ 1.7072, 1.7860,
4.4180

106.2227,
111.5975, 152.7634

■ 0.4608, 0.4784,
1.8573

134.9547,
141.7989, 190.8417

■ 0.0000, 0.0000,
0.4654

168.4501,

■ 0.0000, 0.0000,

177.0098, 234.7737

0.0000

207.0744,
217.6147, 284.9779

■ 21.2273, 22.2786,
35.5292

■ 21.2273, 22.2786,
35.5292

■ 18.1053, 18.8261,
35.0277

■ 24.8276, 26.1596,
36.0889

■ 15.4378, 15.7835,
34.5810

■ 28.9243, 30.4816,
36.7072

■ 13.2024, 13.1343,
34.1875

■ 33.5370, 35.2598,
37.3864

■ 11.3733, 10.8601,
33.8449

■ 38.6835, 40.5079,
38.1281

■ 9.9220, 8.9403,
33.5509

■ 44.3809, 46.2389,
38.9341

■ 8.8156, 7.3520,
33.3026

■ 50.6454, 52.4653,
39.8057

■ 7.9993, 6.0607,
33.0964

■ 57.4927, 59.1992,
40.7446

■ 7.8430, 5.8113,
33.0565

■ 64.9376, 66.4521,
41.7521

■ 72.5505, 74.0063,
42.8090

Harmonies

Analogous

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



19.5407, 22.2786, 33.9439



21.2273, 22.2786, 35.5292



22.9935, 22.2786, 33.7575

Triad

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



21.2273, 22.2786, 35.5292



24.2742, 22.2786, 19.5368



18.3044, 22.2786, 19.7614

Complementary

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



21.2273, 22.2786, 35.5292



26.6631, 27.5341, 19.8296

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.



19.4553, 22.2786, 16.7315



21.2273, 22.2786, 35.5292



22.8982, 22.2786, 16.6153

Square

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



21.2273, 22.2786, 35.5292



24.8125, 22.2786, 24.1087



21.1231, 22.2786, 15.6643



17.9118, 22.2786, 24.4072

Rectangle

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



21.2273, 22.2786, 35.5292



23.9633, 22.2786, 31.0376



21.1231, 22.2786, 15.6643



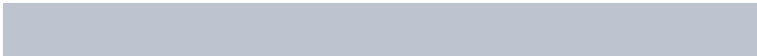
18.6121, 22.2786, 18.5447

Sweetspot

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



21.2280, 22.2795, 35.5297



52.2819, 55.0988, 66.6230



23.9300, 29.9369, 29.4836



11.5329, 12.1560, 14.9821



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.



21.2280, 22.2795, 35.5297



35.1587, 36.7306, 63.9801



19.7152, 18.3836, 34.8575



6.4844, 6.8345, 8.3841



6.3173, 4.7262, 26.4865



0.1525, 0.1637, 0.4868

Inverse Universe

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



24.2152, 20.9431, 24.2398



41.5174, 34.1959, 39.8784



28.5150, 32.4999, 20.6905



6.7338, 6.6865, 7.4495



11.9869, 6.0993, 4.1820



0.2343, 0.1171, 0.1800

Previews

White Background



This preview shows how the XYZ color 21.2273, 22.2786, 35.5292 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 21.2273, 22.2786, 35.5292 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

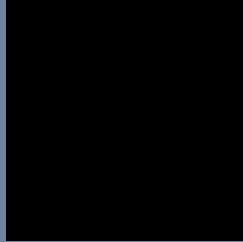
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

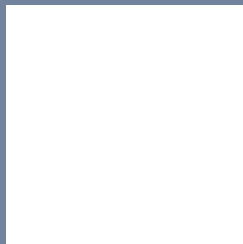
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 21.2273, 22.2786, 35.5292

Background



This preview shows how black text looks on a background with the XYZ color 21.2273, 22.2786, 35.5292.



This preview shows how white text looks on a background with the XYZ color 21.2273, 22.2786,

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

21.2273, 22.2786, 35.5292

Protanopia

22.0321, 22.1237, 34.5616

Deuteranopia

22.7495, 22.2711, 35.9006



Tritanopia

19.9771, 22.1682, 29.6115

Trichromacy



Original Color

21.2273, 22.2786, 35.5292

Protanomaly

21.6818, 22.1279, 35.0266

Deuteranomaly

22.1456, 22.1525, 35.9096

Tritanomaly

20.3582, 22.1172, 31.6298

Monochromacy



Original Color

21.2273, 22.2786, 35.5292

Achromatopsia

20.8660, 21.9526, 23.9064

Achromatomaly

21.0284, 22.1438, 27.9768

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.2273, 22.2786, 35.5292 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, 131, 158)` looks like.

```
.text, #text, p{  
    color:rgb(114, 131, 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, 131, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(114, 131, 158) }
```

Border

The CSS property to change the border of an element to XYZ 21.2273, 22.2786, 35.5292 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, 131, 158) }
```


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

```
.border{ border-color:rgb(114, 131, 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, 131, 158)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(114, 131, 158); -webkit-box-  
shadow:4px 4px 4px 4px rgb(114, 131, 158);  
box-shadow:4px 4px 4px 4px rgb(114, 131,  
158) }
```

Background

The CSS property to change the background color of an element to XYZ 21.2273, 22.2786, 35.5292 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(114, 131, 158) }
```

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

```
.background{ background-color: rgb(114,  
131, 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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