

Converting Colors

XYZ(22.8060, 24.3018, 39.6259)

Have a look what the booklet for
XYZ(22.8060, 24.3018, 39.6259)
contains.

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Color

**XYZ(22.7680, 24.2219,
39.5517)**

Conversions

Conversions Part 1

Format	Color
Hex	7289A6
RGB	114, 137, 166
RGB Percent	45%, 54%, 65%
CMY	0.5529, 0.4627, 0.3490
CMYK	0.31, 0.17, 0.00, 0.35
HSL	213°, 23%, 55%
HSV	213°, 31%, 65%
XYZ	22.7680, 24.2219, 39.5517
YIQ	133.4290, -23.0170, 4.1430

Conversions

Conversions Part 2

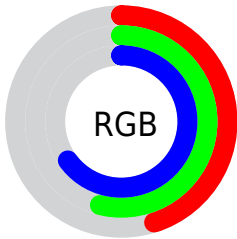
Format	Color
RYB	114, 130, 166
Decimal	7506342
CIELab	56.31, -1.15, -18.03
CIELCh	56, 18.068, 266.347
Yxy	24.2219, 0.2631, 0.2799
Android (android.graphics.Color)	4285696422 (0xFF7289A6)
YUV	133.4290, 16.0575, -17.0392
Hunter-Lab	49.2157, -3.5506, -13.1967

Details

The XYZ color **22.7680, 24.2219, 39.5517** is a dark color, and the websafe version is hex **6699CC**. A complement of this color would be **28.5860, 28.9670, 20.0048**, and the grayscale version is **22.4006, 23.5671, 25.6646**.

A 20% lighter version of the original color is **47.4010, 50.2629, 75.6100**, and **8.5598, 9.1213, 17.2290** is the 20% darker color. If you saturate the color by 10%, you get **19.5417, 20.6887, 39.0402**, and if you desaturate by 10%, it is **26.5006, 28.1849, 40.1203**.

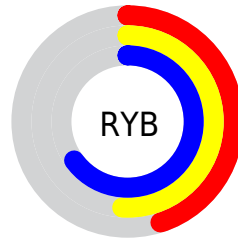
Distribution



Red (45%)

Green (54%)

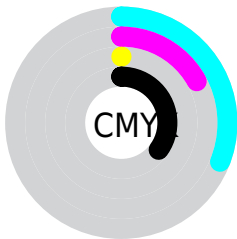
Blue (65%)



Red (45%)

Yellow (51%)

Blue (65%)

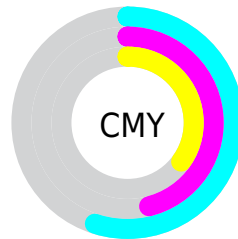


Cyan (31%)

Magenta (17%)

Yellow (0%)

Black (35%)



Cyan (55%)

Magenta (46%)

Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.7680, 24.2219, 39.5517 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 22.7680, 24.2219, 39.5517 by changing the saturation by 10% instead.

■ 22.7680, 24.2219,
39.5517

■ 22.7680, 24.2219,
39.5517

259.0888,
273.9404, 359.7262

■ 14.5420, 15.4983,
26.8781

■ 47.4816, 50.3921,
75.7100

■ 8.5828, 9.1699,
17.2500

■ 64.6999, 68.6074,
100.0317

■ 4.5250, 4.8521,
10.2491

■ 85.6464, 90.7555,
129.0732

■ 2.0032, 2.1608,
5.4567

110.6864,
117.2207, 163.2530

■ 0.6358, 0.6985,
2.4542

140.1853,
148.3874, 202.9897

■ 0.0000, 0.0000,
0.8158

174.5084,

■ 0.0000, 0.0000,

184.6400, 248.7017

0.0000

214.0211,
226.3629, 300.8077

■ 22.7680, 24.2219,
39.5517

■ 22.7680, 24.2219,
39.5517

■ 19.5417, 20.6887,
39.0402

■ 26.5006, 28.1849,
40.1203

■ 16.7955, 17.5659,
38.5822

■ 30.7596, 32.5903,
40.7462

■ 14.5038, 14.8365,
38.1761

■ 35.5667, 37.4538,
41.4316

■ 12.6379, 12.4812,
37.8198

■ 40.9415, 42.7894,
42.1782

■ 11.1650, 10.4782,
37.5109

■ 46.9029, 48.6104,
42.9875

■ 10.0470, 8.8031,
37.2464

■ 53.4687, 54.9295,
43.8612

■ 9.2937, 7.5746,
37.0490

■ 60.6559, 61.7590,
44.8006

■ 68.4809, 69.1107,
45.8072

■ 73.8000, 75.3672,
46.7345

Harmonies

Analogous

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



20.8739, 24.2219, 37.1162



22.7680, 24.2219, 39.5517



24.8452, 24.2219, 38.0413

Triad

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



22.7680, 24.2219, 39.5517



26.7997, 24.2219, 21.6049



19.8476, 24.2219, 20.5158

Complementary

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



22.7680, 24.2219, 39.5517



28.5860, 28.9670, 20.0048

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.



21.2906, 24.2219, 17.3747



22.7680, 24.2219, 39.5517



25.3130, 24.2219, 17.9338

Square

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



22.7680, 24.2219, 39.5517



27.2535, 24.2219, 27.1110



23.2783, 24.2219, 16.5055



19.2532, 24.2219, 25.6496

Rectangle

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



22.7680, 24.2219, 39.5517



26.0423, 24.2219, 35.1072



23.2783, 24.2219, 16.5055



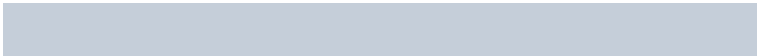
20.2451, 24.2219, 19.2236

Sweetspot

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



22.7688, 24.2229, 39.5523



57.6217, 60.9805, 74.2087



25.5039, 32.8214, 30.8195



12.6308, 13.3773, 16.5685



80.6108, 84.8088, 92.3568



14.7206, 15.4872, 16.8656

Same Dimension

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



22.7688, 24.2229, 39.5523



36.9133, 39.1537, 71.0872



20.1833, 18.5427, 38.5921



7.3947, 7.8263, 9.5392



7.2519, 5.9640, 28.7444



0.2278, 0.2478, 0.7165

Inverse Universe

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



26.2592, 21.9484, 26.5204



44.4527, 34.8036, 42.8118



31.8603, 36.3166, 21.2508



7.6638, 7.5954, 8.5468



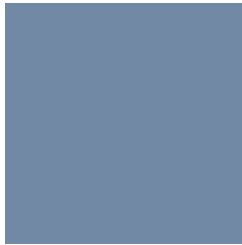
13.1610, 6.6731, 5.6595



0.3461, 0.1727, 0.2742

Previews

White Background



This preview shows how the XYZ color 22.7680, 24.2219, 39.5517 looks on a white background.

Color Contrast Check

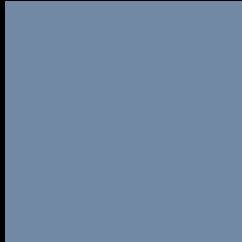
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.7680, 24.2219, 39.5517 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

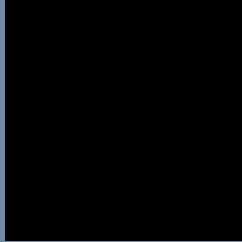
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

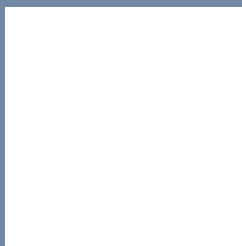
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 22.7680, 24.2219, 39.5517

Background



This preview shows how black text looks on a background with the XYZ color 22.7680, 24.2219, 39.5517.



This preview shows how white text looks on a background with the XYZ color 22.7680, 24.2219,

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

22.7680, 24.2219, 39.5517

Protanopia

23.9905, 24.0446, 38.4986

Deuteranopia

24.5864, 24.1178, 39.9186



Tritanopia

21.5195, 24.3700, 32.8478

Trichromacy



Original Color

22.7680, 24.2219, 39.5517

Protanomaly

23.4850, 23.9778, 38.9877

Deuteranomaly

23.9576, 24.2002, 39.9676

Tritanomaly

21.9155, 24.3103, 34.9898

Monochromacy



Original Color

22.7680, 24.2219, 39.5517

Achromatopsia

22.2940, 23.4551, 25.5426

Achromatomaly

22.2401, 23.5301, 30.1577

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.7680, 24.2219, 39.5517 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, 137, 166)` looks like.

```
.text, #text, p{  
    color:rgb(114, 137, 166)  
}
```

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, 137, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(114, 137, 166) }
```

Border

The CSS property to change the border of an element to XYZ 22.7680, 24.2219, 39.5517 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, 137, 166) }
```


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

```
.border{ border-color:rgb(114, 137, 166) }
```

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

Here you see how a box with a 4 pixel `rgb(114, 137, 166)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(114, 137, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(114, 137, 166);  
box-shadow:4px 4px 4px 4px rgb(114, 137,  
166) }
```

Background

The CSS property to change the background color of an element to XYZ 22.7680, 24.2219, 39.5517 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(114, 137, 166) }
```

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

```
.background{ background-color: rgb(114,  
137, 166) }
```

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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