

Converting Colors

XYZ(22.7669, 24.4237, 38.5527)

Have a look what the booklet for
XYZ(22.7669, 24.4237, 38.5527)
contains.

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Color

**XYZ(22.8596, 24.5021,
38.6465)**

Conversions

Conversions Part 1

Format	Color
Hex	738AA4
RGB	115, 138, 164
RGB Percent	45%, 54%, 64%
CMY	0.5490, 0.4588, 0.3569
CMYK	0.30, 0.16, 0.00, 0.36
HSL	212°, 21%, 55%
HSV	212°, 30%, 64%
XYZ	22.8596, 24.5021, 38.6465
YIQ	134.0870, -22.0540, 3.2100

Conversions

Conversions Part 2

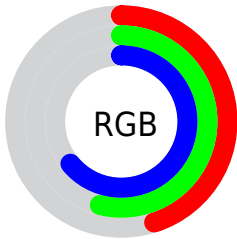
Format	Color
R_{YB}	115, 131, 164
Decimal	7572132
CIE _{Lab}	56.59, -1.93, -16.46
CIE _{LCh}	57, 16.569, 263.301
Yxy	24.5021, 0.2658, 0.2849
Android (android.graphics.Color)	4285762212 (0xFF738AA4)
YUV	134.0870, 14.7471, -16.7393
Hunter-Lab	49.4996, -4.1905, -11.6406

Details

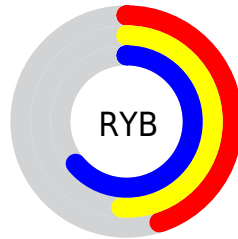
The XYZ color **22.8596, 24.5021, 38.6465** is a dark color, and the websafe version is hex **6699CC**. A complement of this color would be **27.9298, 28.1806, 20.1879**, and the grayscale version is **22.6459, 23.8252, 25.9457**.

A 20% lighter version of the original color is **47.5654, 50.7009, 74.2971**, and **8.5943, 9.2731, 16.6662** is the 20% darker color. If you saturate the color by 10%, you get **19.6931, 21.0905, 38.1553**, and if you desaturate by 10%, it is **26.5113, 28.3135, 39.1901**.

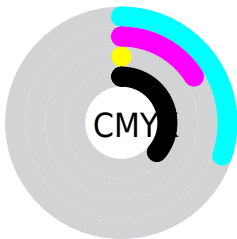
Distribution



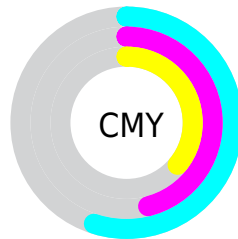
- Red (45%)
- Green (54%)
- Blue (64%)



- Red (45%)
- Yellow (51%)
- Blue (64%)



- Cyan (30%)
- Magenta (16%)
- Yellow (0%)
- Black (36%)



- Cyan (55%)
- Magenta (46%)
- Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.8596, 24.5021, 38.6465 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 22.8596, 24.5021, 38.6465 by changing the saturation by 10% instead.

■ 22.8596, 24.5021,
38.6465

■ 22.8596, 24.5021,
38.6465

259.5519,
275.3492, 355.7662

■ 14.6100, 15.7065,
26.1791

■ 47.6310, 50.8483,
74.3124

■ 8.6307, 9.3167,
16.7307

■ 64.8836, 69.1677,
98.3479

■ 4.5562, 4.9483,
9.8828

■ 85.8678, 91.4305,
127.0766

■ 2.0214, 2.2170,
5.2167

110.9491,
118.0211, 160.9170

■ 0.6459, 0.7292,
2.3140

140.4928,
149.3239, 200.2876

■ 0.0000, 0.0000,
0.7391

174.8643,

■ 0.0000, 0.0000,

185.7232, 245.6070

0.0000

214.4288,
227.6035, 297.2937

■ 22.8596, 24.5021,
38.6465

■ 22.8596, 24.5021,
38.6465

■ 19.6931, 21.0905,
38.1553

■ 26.5113, 28.3135,
39.1901

■ 16.9870, 18.0607,
37.7131

■ 30.6672, 32.5361,
39.7861

■ 14.7172, 15.3973,
37.3187

■ 35.3476, 37.1842,
40.4366

■ 12.8567, 13.0827,
36.9700

■ 40.5713, 42.2706,
41.1431

■ 11.3749, 11.0971,
36.6648

■ 46.3559, 47.8075,
41.9069

■ 10.2362, 9.4182,
36.4008

■ 52.7185, 53.8066,
42.7295

■ 9.3636, 8.0019,
36.1734

■ 59.6751, 60.2790,
43.6122

■ 9.3535, 7.9856,
36.1708

■ 67.2412, 67.2356,
44.5562

■ 72.5788, 73.2161,
45.4292

Harmonies

Analogous

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



21.1467, 24.5021, 36.1080



22.8596, 24.5021, 38.6465



24.7829, 24.5021, 37.6415

Triad

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



22.8596, 24.5021, 38.6465



26.8545, 24.5021, 22.7029



20.4462, 24.5021, 20.8342

Complementary

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



22.8596, 24.5021, 38.6465



27.9298, 28.1806, 20.1879

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.



21.8554, 24.5021, 18.0823



22.8596, 24.5021, 38.6465



25.5702, 24.5021, 19.0529

Square

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



22.8596, 24.5021, 38.6465



27.1597, 24.5021, 27.9338



23.7228, 24.5021, 17.4781



19.8039, 24.5021, 25.4616

Rectangle

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



22.8596, 24.5021, 38.6465



25.9192, 24.5021, 35.1567



23.7228, 24.5021, 17.4781



20.8421, 24.5021, 19.6865

Sweetspot

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



22.8604, 24.5031, 38.6471



56.2347, 59.6290, 72.2980



25.1034, 32.0991, 29.8069



12.0507, 12.7917, 15.7714



78.6606, 82.7571, 90.1225



14.0027, 14.7319, 16.0430

Same Dimension

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



22.8604, 24.5031, 38.6471



37.4923, 40.1873, 69.5332



20.0105, 18.6432, 37.6662



6.9618, 7.3825, 8.9611



7.2188, 6.2169, 27.7493



0.1989, 0.2251, 0.5988

Inverse Universe

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



26.0287, 21.9898, 26.9183



44.3185, 35.2708, 44.1516



31.5123, 35.5951, 21.4302



7.2057, 7.1387, 8.0694



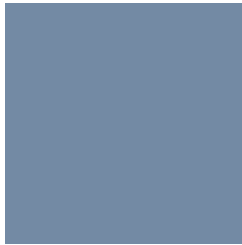
12.7892, 6.4717, 6.0803



0.2926, 0.1455, 0.2533

Previews

White Background



This preview shows how the XYZ color 22.8596, 24.5021, 38.6465 looks on a white background.

Color Contrast Check

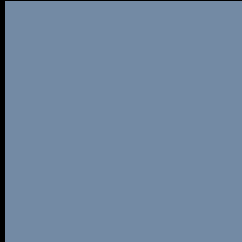
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.8596, 24.5021, 38.6465 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

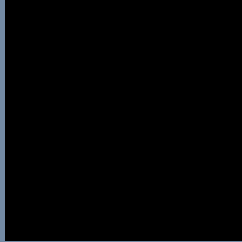
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

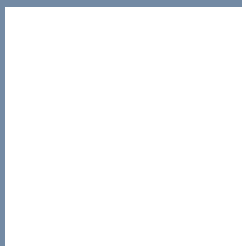
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 22.8596, 24.5021, 38.6465

Background



This preview shows how black text looks on a background with the XYZ color 22.8596, 24.5021, 38.6465.



This preview shows how white text looks on a background with the XYZ color 22.8596, 24.5021,

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

22.8596, 24.5021, 38.6465

Protanopia

24.1640, 24.3692, 37.1484

Deuteranopia

25.0106, 24.5600, 39.0197



Tritanopia

21.6461, 24.4353, 32.8538

Trichromacy



Original Color

22.8596, 24.5021, 38.6465

Protanomaly

23.6430, 24.2966, 37.6260

Deuteranomaly

24.2079, 24.5566, 39.0613

Tritanomaly

22.0434, 24.3762, 34.9958

Monochromacy



Original Color

22.8596, 24.5021, 38.6465

Achromatopsia

22.6597, 23.8398, 25.9615

Achromatomaly

22.5272, 23.8843, 30.2109

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.8596, 24.5021, 38.6465 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(115, 138, 164)` looks like.

```
.text, #text, p{  
    color:rgb(115, 138, 164)  
}
```

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(115, 138, 164) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(115, 138, 164) }
```

Border

The CSS property to change the border of an element to XYZ 22.8596, 24.5021, 38.6465 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(115, 138, 164) }
```


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

```
.border{ border-color:rgb(115, 138, 164) }
```

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

Here you see how a box with a 4 pixel `rgb(115, 138, 164)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(115, 138, 164); -webkit-box-  
shadow:4px 4px 4px 4px rgb(115, 138, 164);  
box-shadow:4px 4px 4px 4px rgb(115, 138,  
164) }
```

Background

The CSS property to change the background color of an element to XYZ 22.8596, 24.5021, 38.6465 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(115, 138, 164) }
```

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

```
.background{ background-color: rgb(115,  
138, 164) }
```

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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