

Converting Colors

XYZ(22.6582, 26.7250, 46.3474)

Have a look what the booklet for
XYZ(22.6582, 26.7250, 46.3474)
contains.

XYZ(22.7219, 26.7280, 46.6093)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(22.7219, 26.7280,
46.6093)**

Conversions

Conversions Part 1

Format	Color
Hex	5695B3
RGB	86, 149, 179
RGB Percent	34%, 58%, 70%
CMY	0.6627, 0.4157, 0.2980
CMYK	0.52, 0.17, 0.00, 0.30
HSL	199°, 38%, 52%
HSV	199°, 52%, 70%
XYZ	22.7219, 26.7280, 46.6093
YIQ	133.5830, -47.1780, -4.0260

Conversions

Conversions Part 2

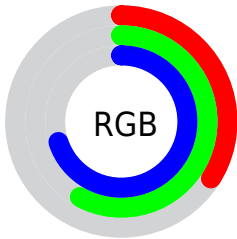
Format	Color
R _Y B	86, 124, 179
Decimal	5674419
CIE Lab	58.72, -11.76, -21.90
CIE LCh	59, 24.857, 241.766
Yxy	26.7280, 0.2365, 0.2782
Android (android.graphics.Color)	4283864499 (0xFF5695B3)
YUV	133.5830, 22.3906, -41.7303
Hunter-Lab	51.6991, -12.0223, -17.2635

Details

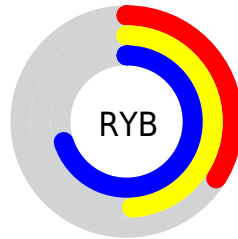
The XYZ color **22.7219, 26.7280, 46.6093** is a dark color, and the websafe version is hex **3399CC**. A complement of this color would be **26.5163, 22.7473, 11.7982**, and the grayscale version is **22.4409, 23.6096, 25.7109**.

A 20% lighter version of the original color is **47.3358, 54.3728, 86.5974**, and **8.5103, 10.4359, 21.3045** is the 20% darker color. If you saturate the color by 10%, you get **20.3847, 24.2009, 46.2452**, and if you desaturate by 10%, it is **25.5188, 29.5604, 47.0091**.

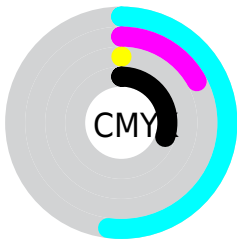
Distribution



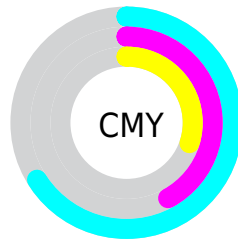
- Red (34%)
- Green (58%)
- Blue (70%)



- Red (34%)
- Yellow (49%)
- Blue (70%)



- Cyan (52%)
- Magenta (17%)
- Yellow (0%)
- Black (30%)



- Cyan (66%)
- Magenta (42%)
- Yellow (30%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.7219, 26.7280, 46.6093 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 22.7219, 26.7280, 46.6093 by changing the saturation by 10% instead.

■ 22.7219, 26.7280,
46.6093

■ 22.7219, 26.7280,
46.6093

258.8555,
286.3377, 389.6014

■ 14.5079, 17.3690,
32.3748

■ 47.4063, 54.4471,
86.4740

■ 8.5588, 10.4980,
21.3807

■ 64.6074, 73.5760,
112.9412

■ 4.5093, 5.7304,
13.2086

■ 85.5349, 96.7304,
144.3232

■ 1.9941, 2.6818,
7.4400

■ 110.5541,
124.2946, 181.0382

■ 0.6307, 0.9680,
3.6561

140.0304,
156.6530, 223.5051

■ 0.0000, 0.0000,
1.4387

174.3291,

■ 0.0000, 0.0000,

194.1901, 272.1422

0.1716

213.8157,
237.2902, 327.3681

■ 0.0000, 0.0000,
0.0000

■ 22.7219, 26.7280,
46.6093

■ 22.7219, 26.7280,
46.6093

■ 20.3847, 24.2009,
46.2452

■ 25.5188, 29.5604,
47.0091

■ 18.4726, 21.9587,
45.9132

■ 28.8017, 32.7110,
47.4442

■ 16.9498, 19.9825,
45.6120

■ 32.5977, 36.1953,
47.9166

■ 15.7730, 18.2489,
45.3394

■ 36.9311, 40.0266,
48.4278

■ 15.0057, 16.9925,
45.1373

■ 41.8247, 44.2176,
48.9788

■ 47.2999, 48.7802,
49.5709

■ 53.3767, 53.7256,
50.2052

■ 60.0745, 59.0645,
50.8827

■ 67.4114, 64.8073,
51.6044

Harmonies

Analogous

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



20.7242, 26.7280, 38.9018



22.7219, 26.7280, 46.6093



25.5858, 26.7280, 49.3957

Triad

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



22.7219, 26.7280, 46.6093



31.7485, 26.7280, 28.5863



22.4317, 26.7280, 17.0011

Complementary

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



22.7219, 26.7280, 46.6093



26.5163, 22.7473, 11.7982

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.



25.2233, 26.7280, 15.3032



22.7219, 26.7280, 46.6093



30.7404, 26.7280, 21.1043

Square

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



22.7219, 26.7280, 46.6093



30.9466, 26.7280, 37.8210



28.2896, 26.7280, 16.6409



20.5664, 26.7280, 21.8383

Rectangle

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



22.7219, 26.7280, 46.6093



27.6483, 26.7280, 47.7176



28.2896, 26.7280, 16.6409



23.2849, 26.7280, 16.0936

Sweetspot

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



22.7228, 26.7290, 46.6099



62.6706, 68.6456, 86.3280



23.0791, 35.4675, 21.9863



13.5371, 14.9008, 19.0849



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

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



22.7228, 26.7290, 46.6099



36.0973, 42.8789, 82.7551



16.8306, 14.9446, 44.6459



8.5070, 9.1601, 10.8260



10.6645, 12.1293, 31.9161



0.3856, 0.4818, 1.0209

Inverse Universe

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



27.3438, 18.4101, 30.5471



45.6241, 27.7029, 49.1967



33.1823, 36.0794, 14.0202



8.7311, 8.5992, 10.0823



15.6176, 7.7646, 13.6781



0.5167, 0.2544, 0.5635

Previews

White Background



This preview shows how the XYZ color 22.7219, 26.7280, 46.6093 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 22.7219, 26.7280, 46.6093 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

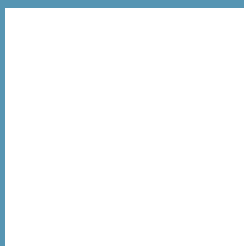
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 22.7219, 26.7280, 46.6093

Background



This preview shows how black text looks on a background with the XYZ color 22.7219, 26.7280, 46.6093.

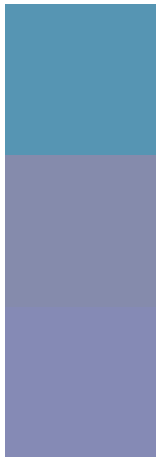


This preview shows how white text looks on a background with the XYZ color 22.7219, 26.7280,

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

22.7219, 26.7280, 46.6093

Protanopia

26.3519, 26.4303, 42.7424

Deuteranopia

27.1018, 26.4997, 47.4026



Tritanopia

21.3224, 26.8861, 39.1877

Trichromacy



Original Color

22.7219, 26.7280, 46.6093

Protanomaly

24.7628, 26.4531, 44.3583

Deuteranomaly

25.1137, 26.3543, 46.9433

Tritanomaly

21.7953, 26.8368, 41.5674

Monochromacy



Original Color

22.7219, 26.7280, 46.6093

Achromatopsia

22.6597, 23.8398, 25.9615

Achromatomaly

22.0738, 24.4492, 32.4099

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.7219, 26.7280, 46.6093 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(86, 149, 179)` looks like.

```
.text, #text, p{  
    color:rgb(86, 149, 179)  
}
```

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(86, 149, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(86, 149, 179) }
```

Border

The CSS property to change the border of an element to XYZ 22.7219, 26.7280, 46.6093 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(86, 149, 179) }
```


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

```
.border{ border-color:rgb(86, 149, 179) }
```

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

Here you see how a box with a 4 pixel `rgb(86, 149, 179)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(86, 149, 179); -webkit-box-  
shadow:4px 4px 4px 4px rgb(86, 149, 179);  
box-shadow:4px 4px 4px 4px rgb(86, 149,  
179) }
```

Background

The CSS property to change the background color of an element to XYZ 22.7219, 26.7280, 46.6093 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(86, 149, 179) }
```

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

```
.background{ background-color: rgb(86, 149,  
179) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor