

Converting Colors

XYZ(22.8614, 22.6983, 47.3755)

Have a look what the booklet for
XYZ(22.8614, 22.6983, 47.3755)
contains.

XYZ(22.8565, 22.6577, 47.4247)	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(22.8565, 22.6577,
47.4247)**

Conversions

Conversions Part 1

Format	Color
Hex	6E82B6
RGB	110, 130, 182
RGB Percent	43%, 51%, 71%
CMY	0.5686, 0.4902, 0.2863
CMYK	0.40, 0.29, 0.00, 0.29
HSL	223°, 33%, 57%
HSV	223°, 40%, 71%
XYZ	22.8565, 22.6577, 47.4247
YIQ	129.9480, -28.6120, 11.9320

Conversions

Conversions Part 2

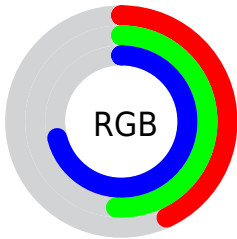
Format	Color
R_{YB}	110, 126, 182
Decimal	7242422
CIE _{Lab}	54.72, 6.11, -29.68
CIE _{LCh}	55, 30.299, 281.633
Yxy	22.6577, 0.2459, 0.2438
Android (android.graphics.Color)	4285432502 (0xFF6E82B6)
YUV	129.9480, 25.6616, -17.4944
Hunter-Lab	47.6001, 2.4115, -25.7514

Details

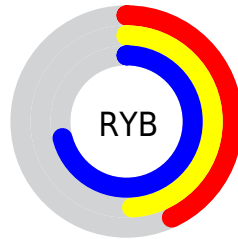
The XYZ color **22.8565, 22.6577, 47.4247** is a dark color, and the websafe version is hex **6699CC**. A complement of this color would be **35.0267, 36.9119, 20.0312**, and the grayscale version is **21.1198, 22.2197, 24.1972**.

A 20% lighter version of the original color is **47.6759, 47.9325, 87.6280**, and **8.6498, 8.3694, 21.9284** is the 20% darker color. If you saturate the color by 10%, you get **19.1823, 18.3322, 46.7839**, and if you desaturate by 10%, it is **27.2207, 27.6714, 48.1628**.

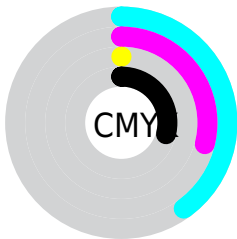
Distribution



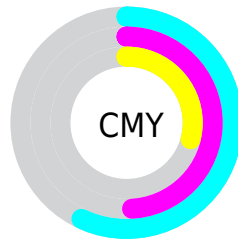
- Red (43%)
- Green (51%)
- Blue (71%)



- Red (43%)
- Yellow (49%)
- Blue (71%)



- Cyan (40%)
- Magenta (29%)
- Yellow (0%)
- Black (29%)



- Cyan (57%)
- Magenta (49%)
- Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.8565, 22.6577, 47.4247 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 22.8565, 22.6577, 47.4247 by changing the saturation by 10% instead.

■ 22.8565, 22.6577,
47.4247

■ 22.8565, 22.6577,
47.4247

259.5362,
265.9620, 392.9499

■ 14.6077, 14.3410,
33.0148

■ 47.6260, 47.8307,
87.7038

■ 8.6290, 8.3582,
21.8666

■ 64.8774, 65.4557,
114.4101

■ 4.5552, 4.3250,
13.5615

■ 85.8603, 86.9522,
146.0523

■ 2.0208, 1.8570,
7.6811

■ 110.9402,
112.7047, 183.0488

■ 0.6456, 0.5223,
3.8067

140.4824,
143.0975, 225.8183

■ 0.0000, 0.0000,
1.5199

174.8522,

■ 0.0000, 0.0000,

178.5151, 274.7793

0.2327

214.4150,
219.3418, 330.3504

■ 0.0000, 0.0000,
0.0000

■ 22.8565, 22.6577,
47.4247

■ 22.8565, 22.6577,
47.4247

■ 19.1823, 18.3322,
46.7839

■ 27.2207, 27.6714,
48.1628

■ 16.1587, 14.6607,
46.2345

■ 32.3068, 33.4002,
49.0005

■ 13.7457, 11.6099,
45.7729

■ 38.1473, 39.8726,
49.9420

■ 11.8975, 9.1420,
45.3939

■ 44.7721, 47.1145,
50.9907

■ 10.5615, 7.2145,
45.0923

■ 52.2096, 55.1510,
52.1499

■ 9.6434, 5.7622,
44.8604

■ 60.4864, 64.0056,
53.4227

■ 9.6082, 5.7066,
44.8515

■ 69.6281, 73.7009,
54.8123

■ 79.4370, 84.1443,
56.3111

■ 83.3438, 91.9580,
57.6134

Harmonies

Analogous

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



19.5746, 22.6577, 46.5655



22.8565, 22.6577, 47.4247



26.0898, 22.6577, 41.1280

Triad

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



22.8565, 22.6577, 47.4247



26.7007, 22.6577, 14.3579



15.9976, 22.6577, 19.3170

Complementary

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



22.8565, 22.6577, 47.4247



35.0267, 36.9119, 20.0312

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.



17.5446, 22.6577, 13.3191



22.8565, 22.6577, 47.4247



23.6231, 22.6577, 11.0085

Square

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



22.8565, 22.6577, 47.4247



28.4577, 22.6577, 21.1446



20.2663, 22.6577, 10.6852



15.8380, 22.6577, 28.5678

Rectangle

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



22.8565, 22.6577, 47.4247



27.6949, 22.6577, 34.4810



20.2663, 22.6577, 10.6852



16.3645, 22.6577, 16.9232

Sweetspot

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



22.8573, 22.6586, 47.4252



66.2246, 69.0519, 90.0737



29.6450, 39.3659, 40.0328



14.3171, 14.9089, 19.8447



88.6918, 93.3107, 101.6153



17.8044, 18.7317, 20.3988

Same Dimension

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



22.8573, 22.6586, 47.4252



35.8646, 34.5315, 85.0107



22.5654, 18.9353, 46.7220



8.7188, 9.1148, 11.3792



6.8342, 4.1281, 31.6897



0.2948, 0.2532, 1.1351

Inverse Universe

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



28.8972, 22.7094, 23.9803



48.4525, 35.2952, 36.0015



35.3528, 42.7325, 21.1375



9.1044, 9.0521, 9.8972



14.0633, 7.1991, 2.9541



0.5229, 0.2647, 0.2473

Previews

White Background



This preview shows how the XYZ color 22.8565, 22.6577, 47.4247 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 22.8565, 22.6577, 47.4247 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

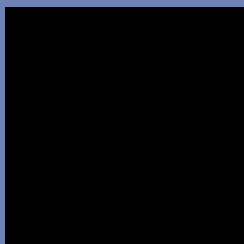
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

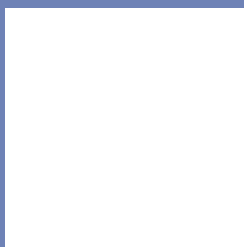
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 22.8565, 22.6577, 47.4247

Background



This preview shows how black text looks on a background with the XYZ color 22.8565, 22.6577, 47.4247.



This preview shows how white text looks on a background with the XYZ color 22.8565, 22.6577,

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

22.8565, 22.6577, 47.4247

Protanopia

23.2610, 22.6815, 46.8681

Deuteranopia

23.1038, 22.5886, 47.3983



Tritanopia

19.6578, 22.7961, 31.3810

Trichromacy



Original Color

22.8565, 22.6577, 47.4247

Protanomaly

23.0008, 22.5474, 46.8559

Deuteranomaly

22.9758, 22.5227, 47.3923

Tritanomaly

20.5792, 22.5313, 36.5220

Monochromacy



Original Color

22.8565, 22.6577, 47.4247

Achromatopsia

21.2178, 22.3228, 24.3095

Achromatomaly

21.5758, 22.3461, 31.6098

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.8565, 22.6577, 47.4247 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(110, 130, 182)` looks like.

```
.text, #text, p{  
    color:rgb(110, 130, 182)  
}
```

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(110, 130, 182) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(110, 130, 182) }
```

Border

The CSS property to change the border of an element to XYZ 22.8565, 22.6577, 47.4247 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(110, 130, 182) }
```


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

```
.border{ border-color:rgb(110, 130, 182) }
```

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

Here you see how a box with a 4 pixel `rgb(110, 130, 182)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(110, 130, 182); -webkit-box-  
shadow:4px 4px 4px 4px rgb(110, 130, 182);  
box-shadow:4px 4px 4px 4px rgb(110, 130,  
182) }
```

Background

The CSS property to change the background color of an element to XYZ 22.8565, 22.6577, 47.4247 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(110, 130, 182) }
```

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

```
.background{ background-color: rgb(110,  
130, 182) }
```

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