

Converting Colors

XYZ(22.7010, 18.2264, 46.5775)

Have a look what the booklet for
XYZ(22.7010, 18.2264, 46.5775)
contains.

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Color

**XYZ(22.7010, 18.2264,
46.5775)**

Conversions

Conversions Part 1

Format	Color
Hex	8269B6
RGB	130, 105, 182
RGB Percent	51%, 41%, 71%
CMY	0.4902, 0.5882, 0.2863
CMYK	0.29, 0.42, 0.00, 0.29
HSL	259°, 35%, 56%
HSV	259°, 42%, 71%
XYZ	22.7010, 18.2264, 46.5775
YIQ	121.2530, -9.8170, 29.2470

Conversions

Conversions Part 2

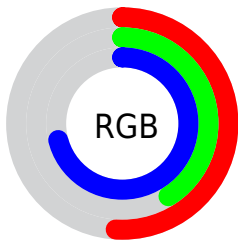
Format	Color
RYB	130, 105, 182
Decimal	8546742
CIELab	49.77, 26.73, -37.30
CIELCh	50, 45.890, 305.628
Yxy	18.2264, 0.2594, 0.2083
Android (android.graphics.Color)	4286736822 (0xFF8269B6)
YUV	121.2530, 29.9483, 7.6711
Hunter-Lab	42.6924, 20.2029, -34.8009

Details

The XYZ color **22.7010, 18.2264, 46.5775** is a dark color, and the websafe version is hex **6666CC**. A complement of this color would be **33.1827, 41.6442, 19.6545**, and the grayscale version is **18.1648, 19.1107, 20.8116**.

A 20% lighter version of the original color is **47.4972, 40.6013, 86.2224**, and **8.5675, 6.1309, 21.5007** is the 20% darker color. If you saturate the color by 10%, you get **19.2679, 13.9933, 45.9417**, and if you desaturate by 10%, it is **26.7574, 23.3704, 47.3569**.

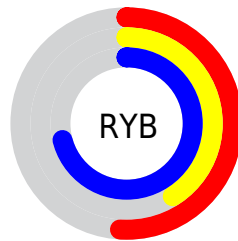
Distribution



Red (51%)

Green (41%)

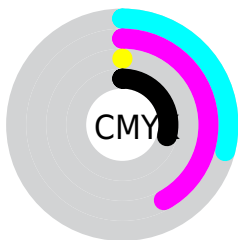
Blue (71%)



Red (51%)

Yellow (41%)

Blue (71%)

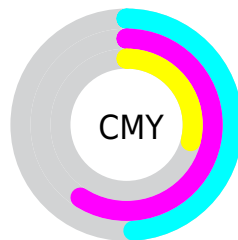


Cyan (29%)

Magenta (42%)

Yellow (0%)

Black (29%)



Cyan (49%)

Magenta (59%)

Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.7010, 18.2264, 46.5775 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 22.7010, 18.2264, 46.5775 by changing the saturation by 10% instead.

■ 22.7010, 18.2264,
46.5775

■ 22.7010, 18.2264,
46.5775

258.7496,
242.1441, 389.4704

■ 14.4924, 11.1127,
32.3498

■ 47.3722, 40.4227,
86.4260

■ 8.5479, 6.1427,
21.3618

■ 64.5654, 56.2741,
112.8839

■ 4.5022, 2.9320,
13.1949

■ 85.4843, 75.8068,
144.2556

■ 1.9900, 1.0963,
7.4306

■ 110.4940, 99.4052,
180.9597

■ 0.6283, 0.0000,
3.6503

139.9601,
127.4538, 223.4146

■ 0.0000, 0.0000,
1.4355

174.2478,

■ 0.0000, 0.0000,

160.3368, 272.0391

0.1692

213.7226,
198.4388, 327.2515

■ 0.0000, 0.0000,
0.0000

■ 22.7010, 18.2264,
46.5775

■ 22.7010, 18.2264,
46.5775

■ 19.2679, 13.9933,
45.9417

■ 26.7574, 23.3704,
47.3569

■ 16.4225, 10.6137,
45.4393

■ 31.4658, 29.4736,
48.2868

■ 14.1288, 8.0271,
45.0610

■ 36.8555, 36.5834,
49.3750

■ 12.3451, 6.1636,
44.7953

■ 42.9534, 44.7432,
50.6287

■ 11.0229, 4.9403,
44.6289

■ 49.7850, 53.9942,
52.0542

■ 10.2527, 4.3101,
44.5478

■ 57.3741, 64.3750,
53.6579

■ 65.7439, 75.9225,
55.4457

■ 74.9162, 88.6718,
57.4231

■ 80.3495, 93.5313,
58.0747

Harmonies

Analogous

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



18.1619, 18.2264, 54.7764



22.7010, 18.2264, 46.5775



26.1723, 18.2264, 31.5407

Triad

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



22.7010, 18.2264, 46.5775



21.0323, 18.2264, 4.9948



10.2276, 18.2264, 22.3034

Complementary

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



22.7010, 18.2264, 46.5775



33.1827, 41.6442, 19.6545

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.



10.7349, 18.2264, 11.4709



22.7010, 18.2264, 46.5775



16.5116, 18.2264, 4.2281

Square

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



22.7010, 18.2264, 46.5775



25.1009, 18.2264, 8.8589



12.8705, 18.2264, 5.9972



11.3458, 18.2264, 37.4494

Rectangle

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



22.7010, 18.2264, 46.5775



27.1388, 18.2264, 21.7393



12.8705, 18.2264, 5.9972



10.2163, 18.2264, 18.0649

Sweetspot

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



22.7017, 18.2271, 46.5779



65.8731, 65.0696, 89.3235



26.4313, 30.7044, 48.7897



14.0546, 13.7162, 19.6283



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.



22.7017, 18.2271, 46.5779



35.1853, 25.6764, 83.3373



29.6192, 21.7932, 46.9017



8.7884, 8.8573, 11.3259



7.3031, 3.0761, 31.4619



0.3242, 0.1428, 1.1122

Inverse Universe

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



30.4292, 22.4832, 34.6345



51.4233, 34.6398, 57.3299



26.9021, 38.4064, 19.3606



9.2535, 9.1118, 10.6825



16.1755, 8.0440, 14.0770



0.5973, 0.2944, 0.6389

Previews

White Background



This preview shows how the XYZ color 22.7010, 18.2264, 46.5775 looks on a white 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

Black Background



This preview shows how the XYZ color 22.7010, 18.2264, 46.5775 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 22.7010, 18.2264, 46.5775

Background



This preview shows how black text looks on a background with the XYZ color 22.7010, 18.2264, 46.5775.

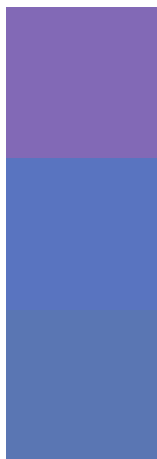


This preview shows how white text looks on a background with the XYZ color 22.7010, 18.2264,

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

22.7010, 18.2264, 46.5775

Protanopia

19.8796, 18.4204, 52.3769

Deuteranopia

18.8316, 18.3852, 45.2040



Tritanopia

17.7349, 18.1509, 22.3074

Trichromacy



Original Color

22.7010, 18.2264, 46.5775

Protanomaly

20.5802, 18.1622, 49.9979

Deuteranomaly

19.9690, 18.1088, 45.6229

Tritanomaly

19.2618, 18.0965, 29.6719

Monochromacy



Original Color

22.7010, 18.2264, 46.5775

Achromatopsia

18.1737, 19.1202, 20.8219

Achromatomaly

19.4008, 18.5297, 28.5407

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.7010, 18.2264, 46.5775 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(130, 105, 182)` looks like.

```
.text, #text, p{  
    color:rgb(130, 105, 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(130, 105, 182) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(130, 105, 182) }
```

Border

The CSS property to change the border of an element to XYZ 22.7010, 18.2264, 46.5775 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(130, 105, 182) }
```


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

```
.border{ border-color:rgb(130, 105, 182) }
```

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

Here you see how a box with a 4 pixel `rgb(130, 105, 182)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(130, 105, 182); -webkit-box-  
shadow:4px 4px 4px 4px rgb(130, 105, 182);  
box-shadow:4px 4px 4px 4px rgb(130, 105,  
182) }
```

Background

The CSS property to change the background color of an element to XYZ 22.7010, 18.2264, 46.5775 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(130, 105, 182) }
```

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

```
.background{ background-color: rgb(130,  
105, 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](#).

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