

Converting Colors

XYZ(22.8523, 17.3737, 49.1445)

Have a look what the booklet for
XYZ(22.8523, 17.3737, 49.1445)
contains.

XYZ(22.7916, 17.3368, 49.1588)	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(22.7916, 17.3368,
49.1588)**

Conversions

Conversions Part 1

Format	Color
Hex	8363BB
RGB	131, 99, 187
RGB Percent	51%, 39%, 73%
CMY	0.4863, 0.6118, 0.2667
CMYK	0.30, 0.47, 0.00, 0.27
HSL	262°, 39%, 56%
HSV	262°, 47%, 73%
XYZ	22.7916, 17.3368, 49.1588
YIQ	118.6000, -9.1760, 34.1520

Conversions

Conversions Part 2

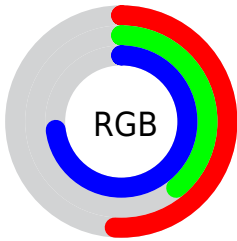
Format	Color
R_{YB}	131, 99, 187
Decimal	8610747
CIE _{Lab}	48.68, 31.83, -41.91
CIE _{LCh}	49, 52.629, 307.219
Yxy	17.3368, 0.2553, 0.1942
Android (android.graphics.Color)	4286800827 (0xFF8363BB)
YUV	118.6000, 33.7212, 10.8748
Hunter-Lab	41.6375, 24.8421, -40.8538

Details

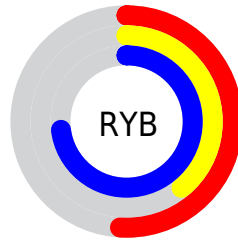
The XYZ color **22.7916, 17.3368, 49.1588** is a dark color, and the websafe version is hex **9966CC**. A complement of this color would be **33.5401, 43.4103, 18.4161**, and the grayscale version is **17.3081, 18.2095, 19.8301**.

A 20% lighter version of the original color is **47.4852, 38.7834, 90.5712**, and **8.5593, 5.6808, 22.8357** is the 20% darker color. If you saturate the color by 10%, you get **19.4825, 13.2988, 48.5541**, and if you desaturate by 10%, it is **26.7240, 22.3056, 49.9109**.

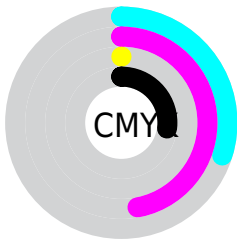
Distribution



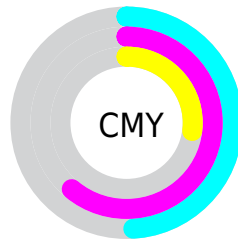
- Red (51%)
- Green (39%)
- Blue (73%)



- Red (51%)
- Yellow (39%)
- Blue (73%)



- Cyan (30%)
- Magenta (47%)
- Yellow (0%)
- Black (27%)



- Cyan (49%)
- Magenta (61%)
- Yellow (27%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.7916, 17.3368, 49.1588 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 22.7916, 17.3368, 49.1588 by changing the saturation by 10% instead.

■ 22.7916, 17.3368,
49.1588

■ 22.7916, 17.3368,
49.1588

259.2082,
237.1058, 400.0076

■ 14.5595, 10.4749,
34.3790

■ 47.5201, 38.9039,
90.3107

■ 8.5952, 5.7150,
22.9052

■ 64.7472, 54.3780,
117.5198

■ 4.5331, 2.6725,
14.3189

■ 85.7035, 73.4916,
149.7092

■ 2.0079, 0.9633,
8.2015

■ 110.7541, 96.6290,
187.2972

■ 0.6384, 0.0000,
4.1345

140.2646,
124.1748, 230.7026

■ 0.0000, 0.0000,
1.6994

174.6001,

■ 0.0000, 0.0000,

156.5133, 280.3437

0.3603

214.1262,
194.0288, 336.6392

■ 0.0000, 0.0000,
0.0000

■ 22.7916, 17.3368,
49.1588

■ 22.7916, 17.3368,
49.1588

■ 19.4825, 13.2988,
48.5541

■ 26.7240, 22.3056,
49.9109

■ 16.7587, 10.1284,
48.0857

■ 31.3103, 28.2587,
50.8183

■ 14.5810, 7.7577,
47.7429

■ 36.5815, 35.2476,
51.8894

■ 12.9036, 6.1069,
47.5127

■ 42.5660, 43.3199,
53.1321

■ 11.6651, 5.0661,
47.3771

■ 49.2905, 52.5199,
54.5535

■ 11.3539, 4.8170,
47.3454

■ 56.7801, 62.8895,
56.1603

■ 65.0588, 74.4686,
57.9589

■ 74.1495, 87.2948,
59.9555

■ 80.0232, 93.3024,
60.8055

Harmonies

Analogous

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



17.6789, 17.3368, 59.7408



22.7916, 17.3368, 49.1588



26.6662, 17.3368, 31.2311

Triad

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



22.7916, 17.3368, 49.1588



20.3619, 17.3368, 3.4026



8.8459, 17.3368, 22.4385

Complementary

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



22.7916, 17.3368, 49.1588



33.5401, 43.4103, 18.4161

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.



9.2849, 17.3368, 10.3044



22.7916, 17.3368, 49.1588



15.3330, 17.3368, 2.8393

Square

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



22.7916, 17.3368, 49.1588



25.0822, 17.3368, 6.8869



11.4536, 17.3368, 4.5908



10.1081, 17.3368, 40.0957

Rectangle

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



22.7916, 17.3368, 49.1588



27.6667, 17.3368, 20.2032



11.4536, 17.3368, 4.5908



8.8043, 17.3368, 17.6098

Sweetspot

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



22.7923, 17.3375, 49.1592



68.4202, 67.0213, 93.5317



26.0377, 30.0851, 51.4487



14.5753, 14.0991, 20.4958



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438

Same Dimension

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



22.7923, 17.3375, 49.1592



34.9752, 23.9162, 86.9743



30.8429, 21.4877, 49.5360



9.3353, 9.3897, 11.9926



7.8958, 3.3565, 32.6246



0.3818, 0.1689, 1.2813

Inverse Universe

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



30.8720, 21.8554, 33.6014



51.5352, 33.1981, 54.0949



26.7304, 39.8998, 18.0974



9.7787, 9.6358, 11.2237



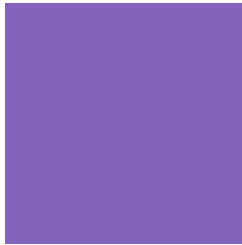
16.4499, 8.2111, 12.9289



0.6747, 0.3338, 0.6663

Previews

White Background



This preview shows how the XYZ color 22.7916, 17.3368, 49.1588 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 22.7916, 17.3368, 49.1588 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

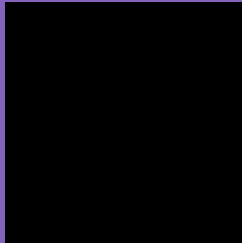
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 22.7916, 17.3368, 49.1588

Background



This preview shows how black text looks on a background with the XYZ color 22.7916, 17.3368, 49.1588.



This preview shows how white text looks on a background with the XYZ color 22.7916, 17.3368,

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

22.7916, 17.3368, 49.1588

Protanopia

19.3910, 17.5582, 57.0106

Deuteranopia

17.9345, 17.5294, 47.2380



Tritanopia

17.2002, 17.3866, 21.1883

Trichromacy



Original Color

22.7916, 17.3368, 49.1588

Protanomaly

20.1427, 17.2066, 53.8893

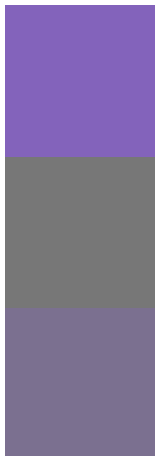
Deuteranomaly

19.1574, 17.1539, 47.6487

Tritanomaly

18.8253, 17.2236, 29.5264

Monochromacy



Original Color

22.7916, 17.3368, 49.1588

Achromatopsia

17.5343, 18.4475, 20.0893

Achromatomaly

18.9966, 17.8129, 28.8226

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.7916, 17.3368, 49.1588 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(131, 99, 187)` looks like.

```
.text, #text, p{  
    color:rgb(131, 99, 187)  
}
```

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(131, 99, 187) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 99, 187) }
```

Border

The CSS property to change the border of an element to XYZ 22.7916, 17.3368, 49.1588 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(131, 99, 187) }
```


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

```
.border{ border-color:rgb(131, 99, 187) }
```

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

Here you see how a box with a 4 pixel rgb(131, 99, 187) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(131, 99, 187); -webkit-box-  
shadow:4px 4px 4px 4px rgb(131, 99, 187);  
box-shadow:4px 4px 4px 4px rgb(131, 99,  
187) }
```

Background

The CSS property to change the background color of an element to XYZ 22.7916, 17.3368, 49.1588 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 99, 187) }
```

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

```
.background{ background-color: rgb(131, 99,  
187) }
```

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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