

Converting Colors

XYZ(22.3349, 18.0996, 47.9928)

Have a look what the booklet for
XYZ(22.3349, 18.0996, 47.9928)
contains.

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Color

**XYZ(22.3684, 18.1708,
48.2273)**

Conversions

Conversions Part 1

Format	Color
Hex	7D6AB9
RGB	125, 106, 185
RGB Percent	49%, 42%, 73%
CMY	0.5098, 0.5843, 0.2745
CMYK	0.32, 0.43, 0.00, 0.27
HSL	254°, 36%, 57%
HSV	254°, 43%, 73%
XYZ	22.3684, 18.1708, 48.2273
YIQ	120.6870, -14.0350, 28.5970

Conversions

Conversions Part 2

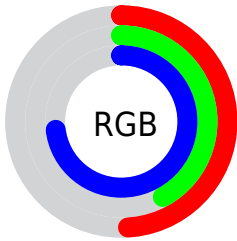
Format	Color
R _{YB}	125, 106, 185
Decimal	8219321
CIE _{Lab}	49.70, 25.50, -39.17
CIE _{LCh}	50, 46.742, 303.060
Yxy	18.1708, 0.2520, 0.2047
Android (android.graphics.Color)	4286409401 (0xFF7D6AB9)
YUV	120.6870, 31.7063, 3.7825
Hunter-Lab	42.6272, 19.0693, -37.2401

Details

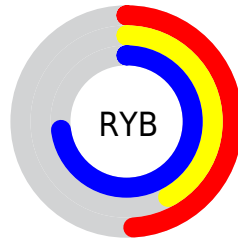
The XYZ color **22.3684, 18.1708, 48.2273** is a dark color, and the websafe version is hex **6666CC**. A complement of this color would be **35.6767, 43.8458, 20.2190**, and the grayscale version is **17.9780, 18.9142, 20.5976**.

A 20% lighter version of the original color is **46.9264, 40.5079, 88.5646**, and **8.3574, 6.0813, 22.2060** is the 20% darker color. If you saturate the color by 10%, you get **18.7555, 13.7772, 47.5700**, and if you desaturate by 10%, it is **26.6841, 23.5379, 49.0361**.

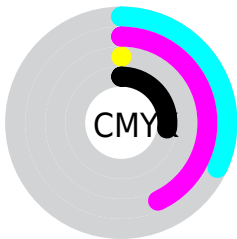
Distribution



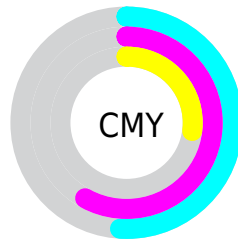
- Red (49%)
- Green (42%)
- Blue (73%)



- Red (49%)
- Yellow (42%)
- Blue (73%)



- Cyan (32%)
- Magenta (43%)
- Yellow (0%)
- Black (27%)



- Cyan (51%)
- Magenta (58%)
- Yellow (27%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.3684, 18.1708, 48.2273 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 22.3684, 18.1708, 48.2273 by changing the saturation by 10% instead.

■ 22.3684, 18.1708,
48.2273

■ 22.3684, 18.1708,
48.2273

257.0605,
241.8320, 396.2271

■ 14.2460, 11.0727,
33.6457

■ 46.8285, 40.3281,
88.9118

■ 8.3748, 6.1157,
22.3464

■ 63.8968, 56.1562,
115.8517

■ 4.3895, 2.9156,
13.9109

■ 84.6778, 75.6629,
147.7482

■ 1.9248, 1.0878,
7.9207

■ 109.5369, 99.2329,
185.0197

■ 0.5912, 0.0000,
3.9572

138.8393,
127.2504, 228.0848

■ 0.0000, 0.0000,
1.6019

172.9505,

■ 0.0000, 0.0000,

160.0998, 277.3620

0.2922

212.2358,
198.1655, 333.2699

■ 0.0000, 0.0000,
0.0000

■ 22.3684, 18.1708,
48.2273

■ 22.3684, 18.1708,
48.2273

■ 18.7555, 13.7772,
47.5700

■ 26.6841, 23.5379,
49.0361

■ 15.8045, 10.2953,
47.0535

■ 31.7362, 29.9308,
50.0038

■ 13.4733, 7.6594,
46.6675

■ 37.5588, 37.4008,
51.1388

■ 11.7137, 5.7939,
46.4002

■ 44.1828, 45.9948,
52.4485

■ 10.4693, 4.6088,
46.2371

■ 51.6378, 55.7572,
53.9399

■ 9.8171, 4.0493,
46.1634

■ 59.9516, 66.7297,
55.6196

■ 69.1507, 78.9523,
57.4939

■ 79.2606, 92.4627,
59.5689

■ 84.4656, 95.6170,
59.9034

Harmonies

Analogous

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



17.7313, 18.1708, 55.7016



22.3684, 18.1708, 48.2273



26.0710, 18.1708, 33.0844

Triad

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



22.3684, 18.1708, 48.2273



21.4421, 18.1708, 4.9982



10.0615, 18.1708, 21.1212

Complementary

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



22.3684, 18.1708, 48.2273



35.6767, 43.8458, 20.2190

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.



10.7140, 18.1708, 10.6340



22.3684, 18.1708, 48.2273



16.8184, 18.1708, 4.0216

Square

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



22.3684, 18.1708, 48.2273



25.4750, 18.1708, 9.2064



13.0132, 18.1708, 5.5390



11.0494, 18.1708, 36.3779

Rectangle

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



22.3684, 18.1708, 48.2273



27.2264, 18.1708, 22.8943



13.0132, 18.1708, 5.5390



10.0968, 18.1708, 16.9707

Sweetspot

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



22.3691, 18.1715, 48.2277



66.7000, 66.2525, 91.4772



28.4408, 34.0464, 50.9719



13.8625, 13.6172, 19.6194



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.



22.3691, 18.1715, 48.2277



34.1045, 25.2915, 85.2889



29.2076, 21.6969, 48.5478



8.7180, 8.8210, 11.3226



6.7405, 2.7861, 31.4356



0.2946, 0.1276, 1.1109

Inverse Universe

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



32.0449, 23.3761, 38.8996



53.9176, 35.9692, 65.2684



28.7133, 40.2561, 19.8931



9.2861, 9.1248, 10.8539



16.9016, 8.3344, 17.9004



0.6184, 0.3029, 0.7502

Previews

White Background



This preview shows how the XYZ color 22.3684, 18.1708, 48.2273 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 22.3684, 18.1708, 48.2273 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 22.3684, 18.1708, 48.2273

Background



This preview shows how black text looks on a background with the XYZ color 22.3684, 18.1708, 48.2273.

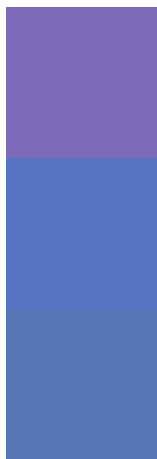


This preview shows how white text looks on a background with the XYZ color 22.3684, 18.1708,

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

22.3684, 18.1708, 48.2273

Protanopia

19.9135, 18.4121, 53.5433

Deuteranopia

18.7597, 18.3127, 46.8019



Tritanopia

17.3032, 18.2629, 23.0352

Trichromacy



Original Color

22.3684, 18.1708, 48.2273

Protanomaly

20.5650, 18.1166, 51.7032

Deuteranomaly

19.8201, 18.1628, 47.2609

Tritanomaly

18.7782, 17.9865, 30.9158

Monochromacy



Original Color

22.3684, 18.1708, 48.2273

Achromatopsia

18.1737, 19.1202, 20.8219

Achromatomaly

19.3055, 18.6420, 28.9663

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.3684, 18.1708, 48.2273 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(125, 106, 185)` looks like.

```
.text, #text, p{  
    color:rgb(125, 106, 185)  
}
```

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(125, 106, 185) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(125, 106, 185) }
```

Border

The CSS property to change the border of an element to XYZ 22.3684, 18.1708, 48.2273 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(125, 106, 185) }
```


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

```
.border{ border-color:rgb(125, 106, 185) }
```

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

Here you see how a box with a 4 pixel `rgb(125, 106, 185)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(125, 106, 185); -webkit-box-  
shadow:4px 4px 4px 4px rgb(125, 106, 185);  
box-shadow:4px 4px 4px 4px rgb(125, 106,  
185) }
```

Background

The CSS property to change the background color of an element to XYZ 22.3684, 18.1708, 48.2273 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(125, 106, 185) }
```

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

```
.background{ background-color: rgb(125,  
106, 185) }
```

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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