

Converting Colors

XYZ(22.2715, 18.5121, 51.8343)

Have a look what the booklet for
XYZ(22.2715, 18.5121, 51.8343)
contains.

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Color

**XYZ(22.2087, 18.4808,
51.6868)**

Conversions

Conversions Part 1

Format	Color
Hex	756DBF
RGB	117, 109, 191
RGB Percent	46%, 43%, 75%
CMY	0.5412, 0.5725, 0.2510
CMYK	0.39, 0.43, 0.00, 0.25
HSL	246°, 39%, 59%
HSV	246°, 43%, 75%
XYZ	22.2087, 18.4808, 51.6868
YIQ	120.7400, -21.5540, 27.1980

Conversions

Conversions Part 2

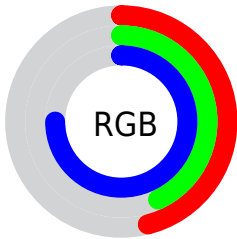
Format	Color
R_{YB}	117, 109, 191
Decimal	7695807
CIE _{Lab}	50.07, 23.16, -42.10
CIE _{LCh}	50, 48.046, 298.819
Yxy	18.4808, 0.2404, 0.2001
Android (android.graphics.Color)	4285885887 (0xFF756DBF)
YUV	120.7400, 34.6382, -3.2800
Hunter-Lab	42.9893, 16.9836, -41.1929

Details

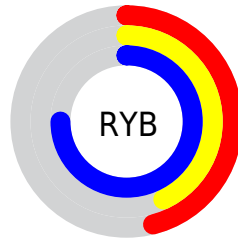
The XYZ color **22.2087, 18.4808, 51.6868** is a dark color, and the websafe version is hex **6666CC**. A complement of this color would be **40.9198, 48.4333, 21.6605**, and the grayscale version is **17.9876, 18.9244, 20.6087**.

A 20% lighter version of the original color is **46.7014, 41.0377, 94.2666**, and **8.2985, 6.2336, 24.4327** is the 20% darker color. If you saturate the color by 10%, you get **18.2817, 13.7535, 50.9817**, and if you desaturate by 10%, it is **27.0063, 24.3147, 52.5603**.

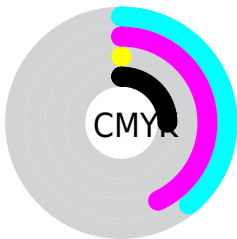
Distribution



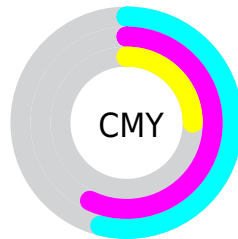
- Red (46%)
- Green (43%)
- Blue (75%)



- Red (46%)
- Yellow (43%)
- Blue (75%)



- Cyan (39%)
- Magenta (43%)
- Yellow (0%)
- Black (25%)



- Cyan (54%)
- Magenta (57%)
- Yellow (25%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.2087, 18.4808, 51.6868 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 22.2087, 18.4808, 51.6868 by changing the saturation by 10% instead.

■ 22.2087, 18.4808,
51.6868

■ 22.2087, 18.4808,
51.6868

256.2461,
243.5673, 410.1488

■ 14.1278, 11.2957,
36.3750

■ 46.5670, 40.8549,
94.0910

■ 8.2919, 6.2661,
24.4319

■ 63.5751, 56.8127,
122.0205

■ 4.3357, 3.0076,
15.4392

■ 84.2896, 76.4636,
154.9930

■ 1.8937, 1.1357,
8.9782

■ 109.0759,
100.1919, 193.4270

■ 0.5732, 0.0082,
4.6303

138.2993,
128.3820, 237.7410

■ 0.0000, 0.0000,
1.9771

172.3253,

■ 0.0000, 0.0000,

161.4184, 288.3536

0.5412

211.5191,
199.6853, 345.6834

■ 0.0000, 0.0000,
0.0000

■ 22.2087, 18.4808,
51.6868

■ 22.2087, 18.4808,
51.6868

■ 18.2817, 13.7535,
50.9817

■ 27.0063, 24.3147,
52.5603

■ 15.1707, 10.0607,
50.4328

■ 32.7202, 31.3170,
53.6108

■ 12.8182, 7.3249,
50.0288

■ 39.3958, 39.5473,
54.8475

■ 11.1585, 5.4571,
49.7557

■ 47.0745, 49.0608,
56.2791

■ 10.1141, 4.3510,
49.5973

■ 55.7956, 59.9091,
57.9134

■ 9.6655, 3.8964,
49.5332

■ 65.5959, 72.1410,
59.7579

■ 76.5108, 85.8029,
61.8196

■ 86.3652, 96.5216,
63.3691

■ 86.4040, 96.5416,
63.3709

Harmonies

Analogous

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



17.3829, 18.4808, 57.8186



22.2087, 18.4808, 51.6868



26.3216, 18.4808, 36.3919

Triad

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



22.2087, 18.4808, 51.6868



22.5818, 18.4808, 5.2547



10.0923, 18.4808, 19.6023

Complementary

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



22.2087, 18.4808, 51.6868



40.9198, 48.4333, 21.6605

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.



11.0047, 18.4808, 9.6096



22.2087, 18.4808, 51.6868



17.7493, 18.4808, 3.8925

Square

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



22.2087, 18.4808, 51.6868



26.5622, 18.4808, 10.1756



13.6192, 18.4808, 5.0432



10.8712, 18.4808, 35.0595

Rectangle

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



22.2087, 18.4808, 51.6868



27.8095, 18.4808, 25.4740



13.6192, 18.4808, 5.0432



10.2080, 18.4808, 15.5783

Sweetspot

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



22.2094, 18.4815, 51.6872



70.2054, 70.3937, 98.1662



32.8863, 41.3635, 55.5412



14.7982, 14.6941, 21.4416



92.9021, 97.7402, 106.4391



19.4759, 20.4902, 22.3138

Same Dimension

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



22.2094, 18.4815, 51.6872



32.8102, 24.7135, 91.3200



28.7453, 21.8508, 51.9931



9.1006, 9.2687, 11.9816



6.3842, 2.5772, 32.5539



0.2795, 0.1161, 1.2765

Inverse Universe

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



35.5021, 25.4331, 47.8376



60.0124, 38.9535, 82.8018



32.7482, 44.2207, 21.2781



9.8887, 9.6798, 11.8031



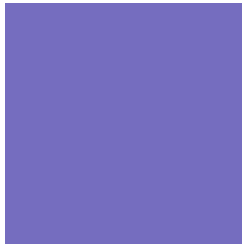
19.0535, 9.2525, 26.6390



0.7581, 0.3671, 1.1055

Previews

White Background



This preview shows how the XYZ color 22.2087, 18.4808, 51.6868 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 22.2087, 18.4808, 51.6868 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

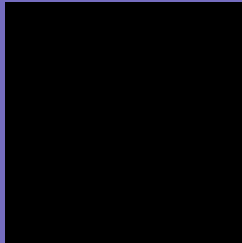
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 22.2087, 18.4808, 51.6868

Background



This preview shows how black text looks on a background with the XYZ color 22.2087, 18.4808, 51.6868.



This preview shows how white text looks on a background with the XYZ color 22.2087, 18.4808,

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

22.2087, 18.4808, 51.6868

Protanopia

20.2762, 18.5464, 55.9372

Deuteranopia

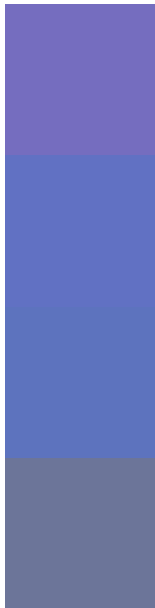
19.0904, 18.5732, 50.7229



Tritanopia

16.7179, 18.4686, 24.5135

Trichromacy



Original Color

22.2087, 18.4808, 51.6868

Protanomaly

20.6852, 18.2918, 54.0702

Deuteranomaly

19.9392, 18.3063, 51.1978

Tritanomaly

18.2954, 18.2106, 32.6877

Monochromacy



Original Color

22.2087, 18.4808, 51.6868

Achromatopsia

18.1737, 19.1202, 20.8219

Achromatomaly

19.2953, 18.7910, 29.8042

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.2087, 18.4808, 51.6868 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(117, 109, 191)` looks like.

```
.text, #text, p{  
    color:rgb(117, 109, 191)  
}
```

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(117, 109, 191) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 109, 191) }
```

Border

The CSS property to change the border of an element to XYZ 22.2087, 18.4808, 51.6868 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(117, 109, 191) }
```


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

```
.border{ border-color:rgb(117, 109, 191) }
```

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

Here you see how a box with a 4 pixel `rgb(117, 109, 191)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(117, 109, 191); -webkit-box-  
shadow:4px 4px 4px 4px rgb(117, 109, 191);  
box-shadow:4px 4px 4px 4px rgb(117, 109,  
191) }
```

Background

The CSS property to change the background color of an element to XYZ 22.2087, 18.4808, 51.6868 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 109, 191) }
```

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

```
.background{ background-color: rgb(117,  
109, 191) }
```

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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