

Converting Colors

XYZ(24.2053, 19.9061, 50.8449)

Have a look what the booklet for
XYZ(24.2053, 19.9061, 50.8449)
contains.

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Color

**XYZ(24.0757, 19.7888,
50.6948)**

Conversions

Conversions Part 1

Format	Color
Hex	826FBD
RGB	130, 111, 189
RGB Percent	51%, 44%, 74%
CMY	0.4902, 0.5647, 0.2588
CMYK	0.31, 0.41, 0.00, 0.26
HSL	255°, 37%, 59%
HSV	255°, 41%, 74%
XYZ	24.0757, 19.7888, 50.6948
YIQ	125.5730, -13.7140, 28.2860

Conversions

Conversions Part 2

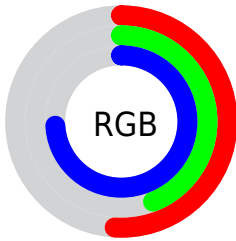
Format	Color
R _Y B	130, 111, 189
Decimal	8548285
CIE Lab	51.60, 24.99, -38.46
CIE LCh	52, 45.871, 303.014
Yxy	19.7888, 0.2546, 0.2093
Android (android.graphics.Color)	4286738365 (0xFF826FBD)
YUV	125.5730, 31.2695, 3.8825
Hunter-Lab	44.4846, 18.7587, -36.4279

Details

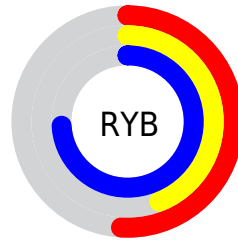
The XYZ color **24.0757, 19.7888, 50.6948** is a dark color, and the websafe version is hex **6666CC**. A complement of this color would be **37.6446, 46.0892, 21.9516**, and the grayscale version is **19.5878, 20.6079, 22.4420**.

A 20% lighter version of the original color is **49.7393, 43.1625, 92.8984**, and **9.2926, 6.9240, 23.7684** is the 20% darker color. If you saturate the color by 10%, you get **20.1850, 15.0391, 49.9834**, and if you desaturate by 10%, it is **28.7089, 25.5696, 51.5668**.

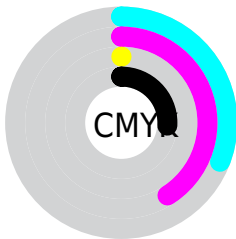
Distribution



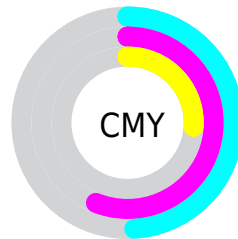
- Red (51%)
- Green (44%)
- Blue (74%)



- Red (51%)
- Yellow (44%)
- Blue (74%)



- Cyan (31%)
- Magenta (41%)
- Yellow (0%)
- Black (26%)



- Cyan (49%)
- Magenta (56%)
- Yellow (26%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 24.0757, 19.7888, 50.6948 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 24.0757, 19.7888, 50.6948 by changing the saturation by 10% instead.

■ 24.0757, 19.7888,
50.6948

■ 24.0757, 19.7888,
50.6948

265.6363,
250.7695, 406.1895

■ 15.5148, 12.2416,
35.5907

■ 49.6075, 43.0628,
92.6104

■ 9.2702, 6.9085,
23.8311

■ 67.3091, 59.5584,
120.2589

■ 4.9763, 3.4049,
14.9973

■ 88.7883, 79.8056,
152.9261

■ 2.2680, 1.3466,
8.6709

■ 114.4106,
104.1888, 191.0304

■ 0.7782, 0.1769,
4.4333

144.5411,
133.0924, 234.9903

■ 0.0000, 0.0000,
1.8659

179.5454,

■ 0.0000, 0.0000,

166.9008, 285.2244

0.4709

219.7886,
205.9983, 342.1513

■ 0.0000, 0.0000,
0.0000

■ 24.0757, 19.7888,
50.6948

■ 24.0757, 19.7888,
50.6948

■ 20.1850, 15.0391,
49.9834

■ 28.7089, 25.5696,
51.5668

■ 16.9942, 11.2563,
49.4215

■ 34.1194, 32.4361,
52.6070

■ 14.4599, 8.3725,
48.9984

■ 40.3425, 40.4414,
53.8242

■ 12.5323, 6.3094,
48.7018

■ 47.4106, 49.6346,
55.2261

■ 11.1537, 4.9751,
48.5169

■ 55.3544, 60.0620,
56.8201

■ 10.3140, 4.2560,
48.4223

■ 64.2028, 71.7672,
58.6131

■ 73.9835, 84.7918,
60.6116

■ 82.3821, 94.4935,
62.0415

■ 86.1854, 96.4542,
62.2195

Harmonies

Analogous

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



19.2797, 19.7888, 58.2459



24.0757, 19.7888, 50.6948



27.8872, 19.7888, 35.2754

Triad

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



24.0757, 19.7888, 50.6948



23.1344, 19.7888, 5.8974



11.2593, 19.7888, 22.9123

Complementary

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



24.0757, 19.7888, 50.6948



37.6446, 46.0892, 21.9516

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.



11.9512, 19.7888, 11.9414



24.0757, 19.7888, 50.6948



18.3454, 19.7888, 4.8181

Square

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



24.0757, 19.7888, 50.6948



27.2842, 19.7888, 10.4452



14.3719, 19.7888, 6.4796



12.2998, 19.7888, 38.5930

Rectangle

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



24.0757, 19.7888, 50.6948



29.0755, 19.7888, 24.7913



14.3719, 19.7888, 6.4796



11.2974, 19.7888, 18.5982

Sweetspot

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



24.0764, 19.7896, 50.6953



71.1617, 71.0188, 96.1836



30.2665, 36.1045, 53.5181



14.9770, 14.8512, 20.6198



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.



24.0764, 19.7896, 50.6953



36.4493, 27.2943, 89.5734



31.0613, 23.3904, 51.0222



9.2284, 9.3346, 11.9876



6.9986, 2.8940, 32.5826



0.3354, 0.1449, 1.2792

Inverse Universe

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



33.9267, 25.0905, 41.0848



56.8587, 38.2994, 68.6739



30.5518, 42.4328, 21.6196



9.8279, 9.6555, 11.4827



17.4853, 8.6253, 18.3810



0.7092, 0.3476, 0.8480

Previews

White Background



This preview shows how the XYZ color 24.0757, 19.7888, 50.6948 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 24.0757, 19.7888, 50.6948 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

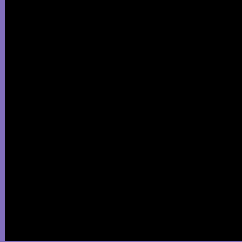
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 24.0757, 19.7888, 50.6948

Background



This preview shows how black text looks on a background with the XYZ color 24.0757, 19.7888, 50.6948.

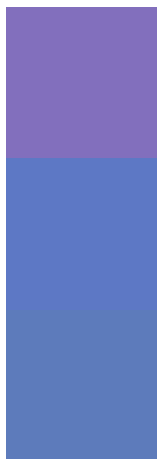


This preview shows how white text looks on a background with the XYZ color 24.0757, 19.7888,

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

24.0757, 19.7888, 50.6948

Protanopia

21.3087, 19.7913, 55.5203

Deuteranopia

20.5668, 20.0809, 49.8057



Tritanopia

18.9243, 19.7813, 25.0111

Trichromacy



Original Color

24.0757, 19.7888, 50.6948

Protanomaly

22.0428, 19.6818, 53.6761

Deuteranomaly

21.6178, 19.8887, 50.2765

Tritanomaly

20.5150, 19.7045, 32.8591

Monochromacy



Original Color

24.0757, 19.7888, 50.6948

Achromatopsia

19.8309, 20.8637, 22.7206

Achromatomaly

21.0146, 20.3567, 31.2554

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.0757, 19.7888, 50.6948 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, 111, 189)` looks like.

```
.text, #text, p{  
    color:rgb(130, 111, 189)  
}
```

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, 111, 189) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(130, 111, 189) }
```

Border

The CSS property to change the border of an element to XYZ 24.0757, 19.7888, 50.6948 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, 111, 189) }
```


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

```
.border{ border-color:rgb(130, 111, 189) }
```

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

Here you see how a box with a 4 pixel `rgb(130, 111, 189)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(130, 111, 189); -webkit-box-  
shadow:4px 4px 4px 4px rgb(130, 111, 189);  
box-shadow:4px 4px 4px 4px rgb(130, 111,  
189) }
```

Background

The CSS property to change the background color of an element to XYZ 24.0757, 19.7888, 50.6948 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(130, 111, 189) }
```

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

```
.background{ background-color: rgb(130,  
111, 189) }
```

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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