

Converting Colors

XYZ(24.5104, 22.0782, 50.7552)

Have a look what the booklet for
XYZ(24.5104, 22.0782, 50.7552)
contains.

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Color

**XYZ(24.4722, 22.0818,
50.5493)**

Conversions

Conversions Part 1

Format	Color
Hex	7C7BBC
RGB	124, 123, 188
RGB Percent	49%, 48%, 74%
CMY	0.5137, 0.5176, 0.2627
CMYK	0.34, 0.35, 0.00, 0.26
HSL	241°, 33%, 61%
HSV	241°, 35%, 74%
XYZ	24.4722, 22.0818, 50.5493
YIQ	130.7090, -20.2690, 20.4270

Conversions

Conversions Part 2

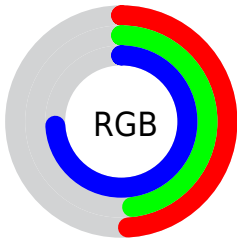
Format	Color
R_{YB}	124, 123, 188
Decimal	8158140
CIE _{Lab}	54.11, 15.87, -33.98
CIE _{LCh}	54, 37.503, 295.042
Yxy	22.0818, 0.2520, 0.2274
Android (android.graphics.Color)	4286348220 (0xFF7C7BBC)
YUV	130.7090, 28.2445, -5.8838
Hunter-Lab	46.9913, 10.7248, -30.8853

Details

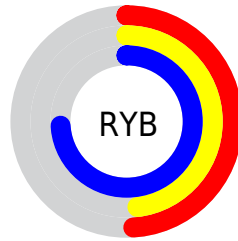
The XYZ color **24.4722, 22.0818, 50.5493** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **42.0522, 47.9616, 25.7808**, and the grayscale version is **21.3781, 22.4914, 24.4931**.

A 20% lighter version of the original color is **50.1715, 46.7175, 92.7593**, and **9.4243, 7.9965, 23.6010** is the 20% darker color. If you saturate the color by 10%, you get **19.9315, 16.6054, 49.7320**, and if you desaturate by 10%, it is **29.9644, 28.7144, 51.5405**.

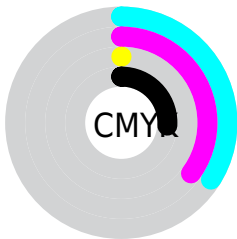
Distribution



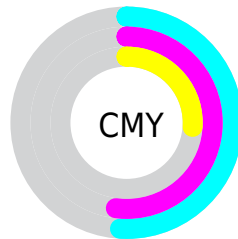
- Red (49%)
- Green (48%)
- Blue (74%)



- Red (49%)
- Yellow (48%)
- Blue (74%)



- Cyan (34%)
- Magenta (35%)
- Yellow (0%)
- Black (26%)



- Cyan (51%)
- Magenta (52%)
- Yellow (26%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 24.4722, 22.0818, 50.5493 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 24.4722, 22.0818, 50.5493 by changing the saturation by 10% instead.

■ 24.4722, 22.0818,
50.5493

■ 24.4722, 22.0818,
50.5493

267.5955,
262.9732, 405.6066

■ 15.8109, 13.9170,
35.4758

■ 50.2488, 46.8812,
92.3929

■ 9.4804, 8.0630,
23.7432

■ 68.0947, 64.2845,
120.0001

■ 5.1155, 4.1353,
14.9328

■ 89.7330, 85.5362,
152.6222

■ 2.3506, 1.7495,
8.6261

115.5288,
111.0206, 190.6779

■ 0.8204, 0.4554,
4.4047

145.8476,
141.1221, 234.5856

■ 0.0000, 0.0000,
1.8499

181.0548,

■ 0.0000, 0.0000,

176.2251, 284.7640

0.4605

221.5156,
216.7140, 341.6315

■ 0.0000, 0.0000,
0.0000

■ 24.4722, 22.0818,
50.5493

■ 24.4722, 22.0818,
50.5493

■ 19.9315, 16.6054,
49.7320

■ 29.9644, 28.7144,
51.5405

■ 16.2862, 12.2167,
49.0770

■ 36.4555, 36.5614,
52.7130

■ 13.4776, 8.8440,
48.5740

■ 43.9923, 45.6802,
54.0758

■ 11.4395, 6.4057,
48.2108

■ 52.6183, 56.1236,
55.6370

■ 10.0953, 4.8080,
47.9733

■ 62.3742, 67.9417,
57.4039

■ 9.3530, 3.9374,
47.8444

■ 73.2989, 81.1817,
59.3837

■ 9.1134, 3.6495,
47.8014

■ 85.4292, 95.8889,
61.5831

■ 86.0772, 96.4109,
61.6497

Harmonies

Analogous

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



20.3200, 22.0818, 53.9371



24.4722, 22.0818, 50.5493



28.0652, 22.0818, 39.2790

Triad

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



24.4722, 22.0818, 50.5493



25.7909, 22.0818, 9.9714



14.1265, 22.0818, 22.1608

Complementary

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



24.4722, 22.0818, 50.5493



42.0522, 47.9616, 25.7808

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.



15.2136, 22.0818, 13.3658



24.4722, 22.0818, 50.5493



21.6706, 22.0818, 7.9303

Square

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



24.4722, 22.0818, 50.5493



28.8928, 22.0818, 15.7607



17.8514, 22.0818, 8.9341



14.6751, 22.0818, 34.8136

Rectangle

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



24.4722, 22.0818, 50.5493



29.4780, 22.0818, 30.2939



17.8514, 22.0818, 8.9341



14.3082, 22.0818, 18.7177

Sweetspot

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



24.4730, 22.0826, 50.5498



71.8547, 73.2595, 96.5796



35.2292, 43.8087, 54.1765



15.0467, 15.2638, 20.6957



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.



24.4730, 22.0826, 50.5498



38.3397, 32.7669, 90.5301



29.7744, 24.8156, 50.7979



9.0297, 9.2322, 11.9783



6.2106, 2.4878, 32.5458



0.2480, 0.0999, 1.2751

Inverse Universe

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



36.7921, 28.4458, 50.5652



63.8415, 45.9407, 90.4988



35.1727, 44.4151, 25.4588



9.9235, 9.6937, 11.9860



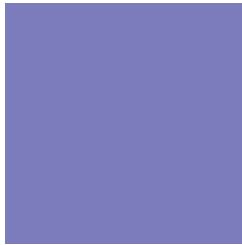
20.0928, 9.6683, 32.1118



0.7891, 0.3795, 1.2686

Previews

White Background



This preview shows how the XYZ color 24.4722, 22.0818, 50.5493 looks on a white background.

Color Contrast Check

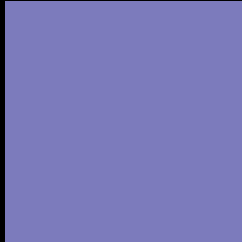
Large Text (above 18pt) WCAG AA ✓ Pass

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 24.4722, 22.0818, 50.5493 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

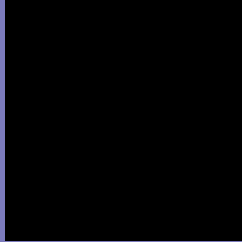
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 24.4722, 22.0818, 50.5493

Background



This preview shows how black text looks on a background with the XYZ color 24.4722, 22.0818, 50.5493.



This preview shows how white text looks on a background with the XYZ color 24.4722, 22.0818,

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

24.4722, 22.0818, 50.5493

Protanopia

23.1777, 22.1285, 52.3398

Deuteranopia

22.6327, 22.0904, 50.0847



Tritanopia

20.1486, 22.0631, 29.1833

Trichromacy



Original Color

24.4722, 22.0818, 50.5493

Protanomaly

23.6945, 22.2168, 51.7546

Deuteranomaly

23.2405, 22.0203, 50.0391

Tritanomaly

21.5795, 22.0553, 35.9206

Monochromacy



Original Color

24.4722, 22.0818, 50.5493

Achromatopsia

21.5731, 22.6966, 24.7166

Achromatomaly

22.2888, 22.2945, 32.8343

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.4722, 22.0818, 50.5493 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(124, 123, 188)` looks like.

```
.text, #text, p{  
    color:rgb(124, 123, 188)  
}
```

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(124, 123, 188) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(124, 123, 188) }
```

Border

The CSS property to change the border of an element to XYZ 24.4722, 22.0818, 50.5493 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(124, 123, 188) }
```


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

```
.border{ border-color:rgb(124, 123, 188) }
```

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

Here you see how a box with a 4 pixel `rgb(124, 123, 188)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(124, 123, 188); -webkit-box-  
shadow:4px 4px 4px 4px rgb(124, 123, 188);  
box-shadow:4px 4px 4px 4px rgb(124, 123,  
188) }
```

Background

The CSS property to change the background color of an element to XYZ 24.4722, 22.0818, 50.5493 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(124, 123, 188) }
```

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

```
.background{ background-color: rgb(124,  
123, 188) }
```

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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