

Converting Colors

XYZ(24.3066, 22.6582, 46.2621)

Have a look what the booklet for
XYZ(24.3066, 22.6582, 46.2621)
contains.

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Color

**XYZ(24.3033, 22.6526,
46.2715)**

Conversions

Conversions Part 1

Format	Color
Hex	7E7EB4
RGB	126, 126, 180
RGB Percent	49%, 49%, 71%
CMY	0.5059, 0.5059, 0.2941
CMYK	0.30, 0.30, 0.00, 0.29
HSL	240°, 26%, 60%
HSV	240°, 30%, 71%
XYZ	24.3033, 22.6526, 46.2715
YIQ	132.1560, -17.3340, 16.7940

Conversions

Conversions Part 2

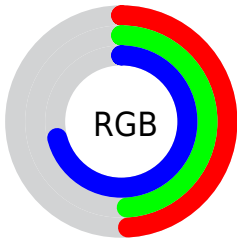
Format	Color
R_{YB}	126, 126, 180
Decimal	8289972
CIE _{Lab}	54.71, 12.56, -28.45
CIE _{LCh}	55, 31.096, 293.821
Yxy	22.6526, 0.2607, 0.2430
Android (android.graphics.Color)	4286480052 (0xFF7E7EB4)
YUV	132.1560, 23.5871, -5.3988
Hunter-Lab	47.5947, 7.8566, -24.3253

Details

The XYZ color **24.3033, 22.6526, 46.2715** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **38.9099, 43.8526, 26.1531**, and the grayscale version is **21.9111, 23.0522, 25.1038**.

A 20% lighter version of the original color is **50.0828, 47.9996, 85.9821**, and **9.3863, 8.3359, 21.1930** is the 20% darker color. If you saturate the color by 10%, you get **19.7858, 17.2093, 45.4593**, and if you desaturate by 10%, it is **29.7140, 29.1721, 47.2451**.

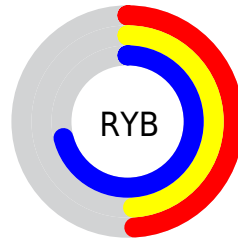
Distribution



Red (49%)

Green (49%)

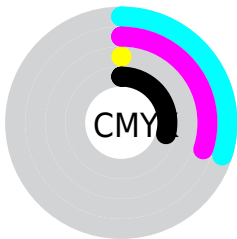
Blue (71%)



Red (49%)

Yellow (49%)

Blue (71%)

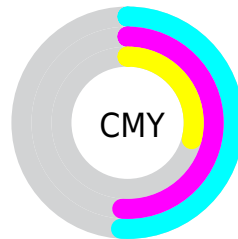


Cyan (30%)

Magenta (30%)

Yellow (0%)

Black (29%)



Cyan (51%)

Magenta (51%)

Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 24.3033, 22.6526, 46.2715 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 24.3033, 22.6526, 46.2715 by changing the saturation by 10% instead.

■ 24.3033, 22.6526,
46.2715

■ 24.3033, 22.6526,
46.2715

266.7624,
265.9356, 388.2083

■ 15.6847, 14.3372,
32.1099

■ 49.9758, 47.8223,
85.9637

■ 9.3908, 8.3556,
21.1799

■ 67.7604, 65.4453,
112.3315

■ 5.0561, 4.3233,
13.0631

■ 89.3310, 86.9397,
143.6050

■ 2.3153, 1.8560,
7.3408

115.0531,
112.6898, 180.2028

■ 0.8025, 0.5217,
3.5944

145.2919,
143.0801, 222.5435

■ 0.0000, 0.0000,
1.4056

180.4128,

■ 0.0000, 0.0000,

178.4949, 271.0457

0.1461

220.7812,
219.3186, 326.1278

■ 0.0000, 0.0000,
0.0000

■ 24.3033, 22.6526,
46.2715

■ 24.3033, 22.6526,
46.2715

■ 19.7858, 17.2093,
45.4593

■ 29.7140, 29.1721,
47.2451

■ 16.1114, 12.7818,
44.7984

■ 36.0599, 36.8185,
48.3866

■ 13.2285, 9.3082,
44.2799

■ 43.3831, 45.6425,
49.7038

■ 11.0791, 6.7182,
43.8932

■ 51.7224, 55.6908,
51.2038

■ 9.5969, 4.9323,
43.6266

■ 61.1145, 67.0078,
52.8931

■ 8.7042, 3.8566,
43.4661

■ 71.5944, 79.6354,
54.7782

■ 8.2384, 3.2954,
43.3823

■ 83.1953, 93.6138,
56.8648

■ 8.2383, 3.2953,
43.3823

■ 85.2383, 96.0753,
57.2323

Harmonies

Analogous

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



20.8291, 22.6526, 48.5879



24.3033, 22.6526, 46.2715



27.2998, 22.6526, 37.5671

Triad

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



24.3033, 22.6526, 46.2715



25.6596, 22.6526, 12.3522



15.6211, 22.6526, 22.6888

Complementary

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



24.3033, 22.6526, 46.2715



38.9099, 43.8526, 26.1531

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.



16.6375, 22.6526, 15.1173



24.3033, 22.6526, 46.2715



22.2477, 22.6526, 10.2574

Square

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



24.3033, 22.6526, 46.2715



28.1392, 22.6526, 17.8007



18.9773, 22.6526, 11.1149



16.0473, 22.6526, 33.0994

Rectangle

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



24.3033, 22.6526, 46.2715



28.4998, 22.6526, 30.3060



18.9773, 22.6526, 11.1149



15.8016, 22.6526, 19.7711

Sweetspot

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



24.3041, 22.6535, 46.2720



66.4362, 68.0274, 87.9236



33.1643, 40.3740, 49.2254



13.9741, 14.2390, 18.9341



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

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



24.3041, 22.6535, 46.2720



38.4713, 34.3315, 82.8936



28.8366, 24.9901, 46.4841



8.0420, 8.2302, 10.6711



5.7498, 2.2999, 30.2779



0.1809, 0.0724, 0.9527

Inverse Universe

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



34.5220, 27.9210, 46.7499



59.9959, 45.4279, 83.9003



33.2246, 40.9217, 25.8870



8.8501, 8.6467, 10.7089



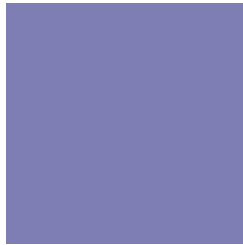
18.8865, 9.0722, 30.8920



0.5943, 0.2854, 0.9720

Previews

White Background



This preview shows how the XYZ color 24.3033, 22.6526, 46.2715 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 24.3033, 22.6526, 46.2715 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 24.3033, 22.6526, 46.2715

Background



This preview shows how black text looks on a background with the XYZ color 24.3033, 22.6526, 46.2715.



This preview shows how white text looks on a background with the XYZ color 24.3033, 22.6526,

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

24.3033, 22.6526, 46.2715

Protanopia

23.3640, 22.7228, 47.4105

Deuteranopia

23.1894, 22.6682, 45.8010



Tritanopia

20.8928, 22.6402, 29.6544

Trichromacy



Original Color

24.3033, 22.6526, 46.2715

Protanomaly

23.6674, 22.6965, 46.8495

Deuteranomaly

23.6016, 22.6861, 45.7827

Tritanomaly

21.9536, 22.4645, 35.0773

Monochromacy



Original Color

24.3033, 22.6526, 46.2715

Achromatopsia

21.9318, 23.0740, 25.1276

Achromatomaly

22.6134, 22.8810, 31.6584

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.3033, 22.6526, 46.2715 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(126, 126, 180)` looks like.

```
.text, #text, p{  
    color:rgb(126, 126, 180)  
}
```

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(126, 126, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(126, 126, 180) }
```

Border

The CSS property to change the border of an element to XYZ 24.3033, 22.6526, 46.2715 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(126, 126, 180) }
```


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

```
.border{ border-color:rgb(126, 126, 180) }
```

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

Here you see how a box with a 4 pixel `rgb(126, 126, 180)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(126, 126, 180); -webkit-box-  
shadow:4px 4px 4px 4px rgb(126, 126, 180);  
box-shadow:4px 4px 4px 4px rgb(126, 126,  
180) }
```

Background

The CSS property to change the background color of an element to XYZ 24.3033, 22.6526, 46.2715 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(126, 126, 180) }
```

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

```
.background{ background-color: rgb(126,  
126, 180) }
```

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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