

Converting Colors

XYZ(24.4610, 23.1501, 43.6277)

Have a look what the booklet for
XYZ(24.4610, 23.1501, 43.6277)
contains.

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Color

**XYZ(24.5103, 23.2006,
43.7438)**

Conversions

Conversions Part 1

Format	Color
Hex	8180AF
RGB	129, 128, 175
RGB Percent	51%, 50%, 69%
CMY	0.4941, 0.4980, 0.3137
CMYK	0.26, 0.27, 0.00, 0.31
HSL	241°, 23%, 59%
HSV	241°, 27%, 69%
XYZ	24.5103, 23.2006, 43.7438
YIQ	133.6570, -14.4910, 14.8290

Conversions

Conversions Part 2

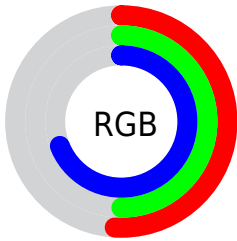
Format	Color
R_{YB}	129, 128, 175
Decimal	8487087
CIE _{Lab}	55.28, 11.02, -24.68
CIE _{LCh}	55, 27.030, 294.058
Yxy	23.2006, 0.2680, 0.2537
Android (android.graphics.Color)	4286677167 (0xFF8180AF)
YUV	133.6570, 20.3821, -4.0842
Hunter-Lab	48.1670, 6.5394, -20.1285

Details

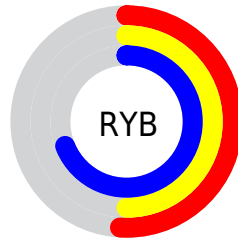
The XYZ color **24.5103, 23.2006, 43.7438** is a dark color, and the websafe version is hex **9999CC**. A complement of this color would be **36.6824, 41.2177, 26.4454**, and the grayscale version is **22.4663, 23.6363, 25.7399**.

A 20% lighter version of the original color is **50.4761, 48.8845, 82.3766**, and **9.4507, 8.6168, 19.5775** is the 20% darker color. If you saturate the color by 10%, you get **20.0344, 17.7923, 42.9362**, and if you desaturate by 10%, it is **29.8176, 29.6229, 44.7041**.

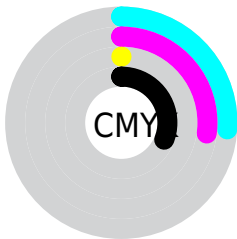
Distribution



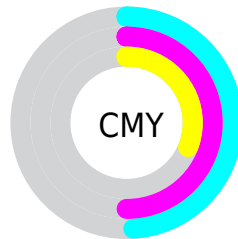
- Red (51%)
- Green (50%)
- Blue (69%)



- Red (51%)
- Yellow (50%)
- Blue (69%)



- Cyan (26%)
- Magenta (27%)
- Yellow (0%)
- Black (31%)



- Cyan (49%)
- Magenta (50%)
- Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 24.5103, 23.2006, 43.7438 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 24.5103, 23.2006, 43.7438 by changing the saturation by 10% instead.

■ 24.5103, 23.2006,
43.7438

■ 24.5103, 23.2006,
43.7438

267.7832,
268.7536, 377.6725

■ 15.8394, 14.7417,
30.1334

■ 50.3103, 48.7225,
82.1304

■ 9.5007, 8.6383,
19.6870

■ 68.1701, 66.5543,
107.7438

■ 5.1289, 4.5060,
11.9859

■ 89.8235, 88.2792,
138.1952

■ 2.3586, 1.9605,
6.6117

115.6360,
114.2815, 173.9033

■ 0.8244, 0.5843,
3.1457

145.9729,
144.9458, 215.2865

■ 0.0000, 0.0000,
1.1695

181.1994,

■ 0.0000, 0.0000,

180.6563, 262.7634

0.0000

221.6811,
221.7974, 316.7526

■ 24.5103, 23.2006,
43.7438

■ 24.5103, 23.2006,
43.7438

■ 20.0344, 17.7923,
42.9362

■ 29.8176, 29.6229,
44.7041

■ 16.3455, 13.3437,
42.2719

■ 35.9928, 37.1044,
45.8227

■ 13.3990, 9.7994,
41.7431

■ 43.0733, 45.6908,
47.1069

■ 11.1444, 7.0975,
41.3405

■ 51.0934, 55.4245,
48.5630

■ 9.5253, 5.1683,
41.0534

■ 60.0859, 66.3455,
50.1970

■ 8.4764, 3.9308,
40.8698

■ 70.0817, 78.4921,
52.0146

■ 7.9117, 3.2734,
40.7727

■ 81.1105, 91.9005,
54.0214

■ 7.7845, 3.1192,
40.7496

■ 84.7379, 95.8752,
54.5975

Harmonies

Analogous

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



21.4545, 23.2006, 45.7321



24.5103, 23.2006, 43.7438



27.1072, 23.2006, 36.3628

Triad

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



24.5103, 23.2006, 43.7438



25.6472, 23.2006, 14.0268



16.7543, 23.2006, 23.5750

Complementary

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



24.5103, 23.2006, 43.7438



36.6824, 41.2177, 26.4454

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.



17.6670, 23.2006, 16.6864



24.5103, 23.2006, 43.7438



22.6595, 23.2006, 12.0449

Square

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



24.5103, 23.2006, 43.7438



27.8045, 23.2006, 19.0573



19.7628, 23.2006, 12.8931



17.1524, 23.2006, 32.6843

Rectangle

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



24.5103, 23.2006, 43.7438



28.1346, 23.2006, 30.1219



19.7628, 23.2006, 12.8931



16.9152, 23.2006, 20.9543

Sweetspot

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



24.5111, 23.2015, 43.7443



62.9537, 64.6248, 81.7927



31.8185, 38.0408, 46.2235



13.6110, 13.9017, 18.1103



84.5950, 89.0005, 96.9216



16.2198, 17.0645, 18.5832

Same Dimension

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



24.5111, 23.2015, 43.7443



39.1530, 35.8173, 77.4867



28.4598, 25.2372, 43.9291



7.5941, 7.7650, 10.0512



5.5814, 2.2372, 29.1822



0.1603, 0.0648, 0.8120

Inverse Universe

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



33.0390, 27.6091, 43.6328



56.9183, 45.0001, 77.2104



31.9369, 38.7712, 26.2233



8.3296, 8.1451, 10.0466



17.9468, 8.6413, 28.4288



0.5015, 0.2413, 0.8028

Previews

White Background



This preview shows how the XYZ color 24.5103, 23.2006, 43.7438 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 24.5103, 23.2006, 43.7438 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 24.5103, 23.2006, 43.7438

Background



This preview shows how black text looks on a background with the XYZ color 24.5103, 23.2006, 43.7438.



This preview shows how white text looks on a background with the XYZ color 24.5103, 23.2006,

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

24.5103, 23.2006, 43.7438

Protanopia

23.6599, 23.3289, 44.8509

Deuteranopia

23.7465, 23.1980, 43.7835



Tritanopia

21.7275, 23.2748, 29.7329

Trichromacy



Original Color

24.5103, 23.2006, 43.7438

Protanomaly

23.9875, 23.3108, 44.3095

Deuteranomaly

24.0456, 23.1556, 43.7596

Tritanomaly

22.6251, 23.2291, 34.3015

Monochromacy



Original Color

24.5103, 23.2006, 43.7438

Achromatopsia

22.6597, 23.8398, 25.9615

Achromatomaly

23.1918, 23.5780, 31.7624

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.5103, 23.2006, 43.7438 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(129, 128, 175)` looks like.

```
.text, #text, p{  
    color:rgb(129, 128, 175)  
}
```

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(129, 128, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 128, 175) }
```

Border

The CSS property to change the border of an element to XYZ 24.5103, 23.2006, 43.7438 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(129, 128, 175) }
```


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

```
.border{ border-color:rgb(129, 128, 175) }
```

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

Here you see how a box with a 4 pixel `rgb(129, 128, 175)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 128, 175); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 128, 175);  
box-shadow:4px 4px 4px 4px rgb(129, 128,  
175) }
```

Background

The CSS property to change the background color of an element to XYZ 24.5103, 23.2006, 43.7438 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 128, 175) }
```

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

```
.background{ background-color: rgb(129,  
128, 175) }
```

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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