

Converting Colors

XYZ(25.8524, 23.4512, 46.3440)

Have a look what the booklet for
XYZ(25.8524, 23.4512, 46.3440)
contains.

XYZ(25.8524, 23.4512, 46.3440)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(25.8524, 23.4512,
46.3440)**

Conversions

Conversions Part 1

Format	Color
Hex	887EB4
RGB	136, 126, 180
RGB Percent	53%, 49%, 71%
CMY	0.4667, 0.5059, 0.2941
CMYK	0.24, 0.30, 0.00, 0.29
HSL	251°, 26%, 60%
HSV	251°, 30%, 71%
XYZ	25.8524, 23.4512, 46.3440
YIQ	135.1460, -11.3740, 18.9140

Conversions

Conversions Part 2

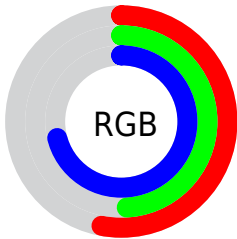
Format	Color
R_{YB}	136, 126, 180
Decimal	8945332
CIE _{Lab}	55.53, 15.62, -27.11
CIE _{LCh}	56, 31.289, 299.955
Yxy	23.4512, 0.2703, 0.2452
Android (android.graphics.Color)	4287135412 (0xFF887EB4)
YUV	135.1460, 22.1130, 0.7490
Hunter-Lab	48.4264, 10.5458, -22.8419

Details

The XYZ color **25.8524, 23.4512, 46.3440** is a dark color, and the websafe version is hex **9999CC**. A complement of this color would be **36.6653, 42.6955, 26.0481**, and the grayscale version is **23.0074, 24.2056, 26.3599**.

A 20% lighter version of the original color is **52.4956, 49.2435, 86.0950**, and **10.2310, 8.7714, 21.2325** is the 20% darker color. If you saturate the color by 10%, you get **21.5334, 18.1102, 45.5411**, and if you desaturate by 10%, it is **30.9131, 29.7904, 47.3012**.

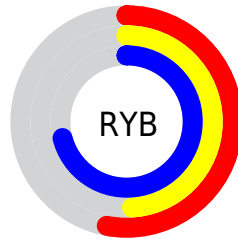
Distribution



Red (53%)

Green (49%)

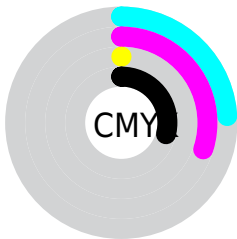
Blue (71%)



Red (53%)

Yellow (49%)

Blue (71%)

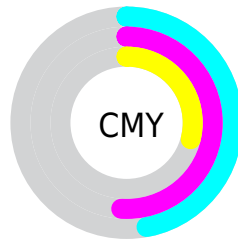


Cyan (24%)

Magenta (30%)

Yellow (0%)

Black (29%)



Cyan (47%)

Magenta (51%)

Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 25.8524, 23.4512, 46.3440 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 25.8524, 23.4512, 46.3440 by changing the saturation by 10% instead.

■ 25.8524, 23.4512,
46.3440

■ 25.8524, 23.4512,
46.3440

274.3268,
270.0341, 388.5076

■ 16.8454, 14.9270,
32.1667

■ 52.4697, 49.1331,
86.0733

■ 10.2189, 8.7682,
21.2230

■ 70.8107, 67.0597,
112.4624

■ 5.6077, 4.5903,
13.0943

■ 92.9938, 88.8892,
143.7592

■ 2.6464, 2.0089,
7.3620

119.3842,
115.0059, 180.3822

■ 0.9697, 0.6127,
3.6077

150.3473,
145.7944, 222.7501

■ 0.0000, 0.0000,
1.4127

186.2486,

■ 0.0000, 0.0000,

181.6390, 271.2812

0.1516

227.4533,
222.9241, 326.3942

■ 0.0000, 0.0000,
0.0000

■ 25.8524, 23.4512,
46.3440

■ 25.8524, 23.4512,
46.3440

■ 21.5334, 18.1102,
45.5411

■ 30.9131, 29.7904,
47.3012

■ 17.9183, 13.7134,
44.8830

■ 36.7461, 37.1724,
48.4187

■ 14.9696, 10.2058,
44.3614

■ 43.3831, 45.6426,
49.7038

■ 12.6452, 7.5256,
43.9665

■ 50.8534, 55.2430,
51.1631

■ 10.8980, 5.6031,
43.6875

■ 59.1846, 66.0130,
52.8029

■ 9.6736, 4.3564,
43.5114

■ 68.4034, 77.9905,
54.6289

■ 8.8763, 3.6242,
43.4121

■ 78.5349, 91.2114,
56.6468

■ 8.8762, 3.6242,
43.4121

■ 84.6289, 95.7612,
57.2038

■ 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.



22.2843, 23.4512, 50.3148



25.8524, 23.4512, 46.3440



28.6946, 23.4512, 36.5526

Triad

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



25.8524, 23.4512, 46.3440



25.8626, 23.4512, 12.1359



16.1693, 23.4512, 25.5190

Complementary

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



25.8524, 23.4512, 46.3440



36.6653, 42.6955, 26.0481

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.



16.9167, 23.4512, 16.9879



25.8524, 23.4512, 46.3440



22.2950, 23.4512, 10.6141

Square

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



25.8524, 23.4512, 46.3440



28.7009, 23.4512, 17.0082



19.0703, 23.4512, 12.1266



16.9122, 23.4512, 36.5189

Rectangle

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



25.8524, 23.4512, 46.3440



29.6611, 23.4512, 29.0763



19.0703, 23.4512, 12.1266



16.2535, 23.4512, 22.2925

Sweetspot

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



25.8532, 23.4521, 46.3445



67.5874, 68.6209, 87.9775



31.2366, 36.5185, 48.5829



14.2567, 14.3847, 18.9474



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.



25.8532, 23.4521, 46.3445



41.5476, 35.9174, 83.0376



30.7836, 25.9938, 46.5753



8.1839, 8.3033, 10.6777



6.2378, 2.5515, 30.3007



0.2400, 0.1028, 0.9554

Inverse Universe

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



33.5396, 27.5281, 41.5766



57.8393, 44.5652, 72.5439



31.4329, 39.9980, 25.8033



8.7812, 8.6192, 10.3461



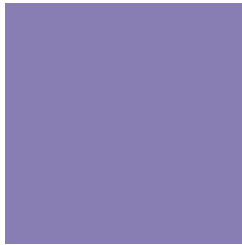
16.8173, 8.2445, 19.9957



0.5466, 0.2664, 0.7213

Previews

White Background



This preview shows how the XYZ color 25.8524, 23.4512, 46.3440 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 25.8524, 23.4512, 46.3440 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 25.8524, 23.4512, 46.3440

Background



This preview shows how black text looks on a background with the XYZ color 25.8524, 23.4512, 46.3440.



This preview shows how white text looks on a background with the XYZ color 25.8524, 23.4512,

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

25.8524, 23.4512, 46.3440

Protanopia

24.1041, 23.4752, 48.6081

Deuteranopia

23.9987, 23.4803, 45.9151



Tritanopia

22.4748, 23.4558, 29.7284

Trichromacy



Original Color

25.8524, 23.4512, 46.3440

Protanomaly

24.7097, 23.4045, 48.0149

Deuteranomaly

24.5911, 23.3908, 45.8666

Tritanomaly

23.5842, 23.3051, 35.1536

Monochromacy



Original Color

25.8524, 23.4512, 46.3440

Achromatopsia

23.0288, 24.2281, 26.3844

Achromatomaly

23.8289, 23.8878, 32.6330

CSS Examples

Text

The CSS property to change the color of the text to XYZ 25.8524, 23.4512, 46.3440 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(136, 126, 180)` looks like.

```
.text, #text, p{  
    color:rgb(136, 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(136, 126, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(136, 126, 180) }
```

Border

The CSS property to change the border of an element to XYZ 25.8524, 23.4512, 46.3440 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(136, 126, 180) }
```


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

```
.border{ border-color:rgb(136, 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(136, 126, 180)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(136, 126, 180); -webkit-box-  
shadow:4px 4px 4px 4px rgb(136, 126, 180);  
box-shadow:4px 4px 4px 4px rgb(136, 126,  
180) }
```

Background

The CSS property to change the background color of an element to XYZ 25.8524, 23.4512, 46.3440 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(136, 126, 180) }
```

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

```
.background{ background-color: rgb(136,  
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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor