

Converting Colors

XYZ(28.6410, 28.1233, 50.3550)

Have a look what the booklet for
XYZ(28.6410, 28.1233, 50.3550)
contains.

XYZ(28.6893, 28.1254, 50.3710)	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(28.6893, 28.1254,
50.3710)**

Conversions

Conversions Part 1

Format	Color
Hex	888EBA
RGB	136, 142, 186
RGB Percent	53%, 56%, 73%
CMY	0.4667, 0.4431, 0.2706
CMYK	0.27, 0.24, 0.00, 0.27
HSL	233°, 27%, 63%
HSV	233°, 27%, 73%
XYZ	28.6893, 28.1254, 50.3710
YIQ	145.2220, -17.7000, 12.4120

Conversions

Conversions Part 2

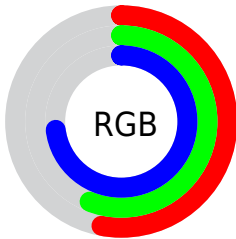
Format	Color
R_{YB}	136, 141, 186
Decimal	8949434
CIE _{Lab}	60.00, 7.81, -23.64
CIE _{LCh}	60, 24.899, 288.272
Y _{xy}	28.1254, 0.2677, 0.2624
Android (android.graphics.Color)	4287139514 (0xFF888EBA)
YUV	145.2220, 20.1036, -8.0877
Hunter-Lab	53.0334, 3.7541, -19.1901

Details

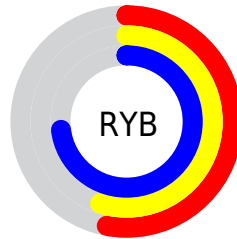
The XYZ color **28.6893, 28.1254, 50.3710** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **41.0154, 44.8596, 29.7906**, and the grayscale version is **26.9306, 28.3331, 30.8547**.

A 20% lighter version of the original color is **57.0021, 56.8378, 91.9709**, and **11.8071, 11.2790, 23.7451** is the 20% darker color. If you saturate the color by 10%, you get **23.6676, 22.1836, 49.4893**, and if you desaturate by 10%, it is **34.5947, 35.0549, 51.3978**.

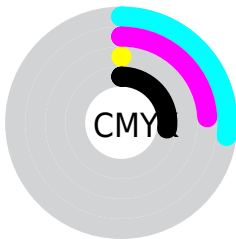
Distribution



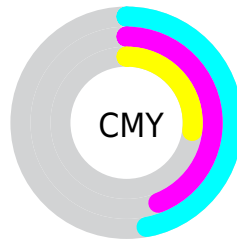
- Red (53%)
- Green (56%)
- Blue (73%)



- Red (53%)
- Yellow (55%)
- Blue (73%)



- Cyan (27%)
- Magenta (24%)
- Yellow (0%)
- Black (27%)



- Cyan (47%)
- Magenta (44%)
- Yellow (27%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 28.6893, 28.1254, 50.3710 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 28.6893, 28.1254, 50.3710 by changing the saturation by 10% instead.

■ 28.6893, 28.1254,
50.3710

■ 28.6893, 28.1254,
50.3710

287.7669,
293.0656, 404.8916

■ 18.9890, 18.4202,
35.3350

■ 56.9841, 56.6846,
92.1263

■ 11.7663, 11.2521,
23.6355

■ 76.3092, 76.3074,
119.6827

■ 6.6558, 6.2367,
14.8537

■ 99.5734, 100.0048,
152.2496

■ 3.2922, 2.9895,
8.5713

127.1420,
128.1613, 190.2457

■ 1.3101, 1.1263,
4.3697

159.3802,
161.1612, 234.0893

■ 0.1908, 0.0002,
1.8303

196.6536,

■ 0.0000, 0.0000,

199.3890, 284.1992

0.4478

239.3273,
243.2290, 340.9937

■ 0.0000, 0.0000,
0.0000

■ 28.6893, 28.1254,
50.3710

■ 28.6893, 28.1254,
50.3710

■ 23.6676, 22.1836,
49.4893

■ 34.5947, 35.0549,
51.3978

■ 19.4842, 17.1811,
48.7442

■ 41.4207, 43.0109,
52.5737

■ 16.0939, 13.0705,
48.1294

■ 49.2054, 52.0341,
53.9050

■ 13.4460, 9.7989,
47.6375

■ 57.9842, 62.1620,
55.3972

■ 11.4838, 7.3077,
47.2601

■ 67.7905, 73.4304,
57.0554

■ 10.1424, 5.5305,
46.9878

■ 78.6559, 85.8734,
58.8844

■ 9.3374, 4.3862,
46.8093

■ 85.8630, 96.3252,
60.5220

■ 9.1561, 4.1314,
46.7697

Harmonies

Analogous

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



25.5124, 28.1254, 51.0931



28.6893, 28.1254, 50.3710



31.5443, 28.1254, 43.7743

Triad

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



28.6893, 28.1254, 50.3710



30.9981, 28.1254, 19.3559



21.1974, 28.1254, 27.2107

Complementary

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



28.6893, 28.1254, 50.3710



41.0154, 44.8596, 29.7906

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.



22.4365, 28.1254, 20.4122



28.6893, 28.1254, 50.3710



27.9906, 28.1254, 16.5143

Square

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



28.6893, 28.1254, 50.3710



32.9481, 28.1254, 25.4703



24.8665, 28.1254, 16.8584



21.3520, 28.1254, 36.4294

Rectangle

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



28.6893, 28.1254, 50.3710



32.8038, 28.1254, 37.5515



24.8665, 28.1254, 16.8584



21.4604, 28.1254, 24.6052

Sweetspot

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



28.6902, 28.1265, 50.3716



73.4341, 76.0495, 95.0100



35.8834, 43.6208, 49.3538



15.7413, 16.2470, 20.8489



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.



28.6902, 28.1265, 50.3716



46.6680, 44.6811, 90.3660



31.0579, 28.0573, 50.2335



8.6056, 8.8885, 11.3415



6.1900, 2.8396, 31.4749



0.2467, 0.1572, 1.1191

Inverse Universe

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



33.9371, 30.0014, 29.5945



57.7535, 48.7918, 46.4351



38.0811, 45.1843, 30.0079



9.0473, 9.0293, 9.5964



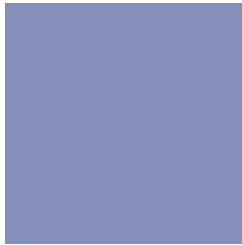
13.7381, 7.0690, 1.2417



0.4987, 0.2550, 0.1196

Previews

White Background



This preview shows how the XYZ color 28.6893, 28.1254, 50.3710 looks on a white background.

Color Contrast Check

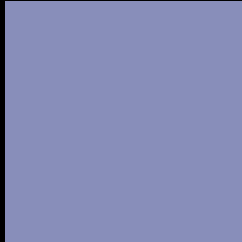
Large Text (above 18pt) WCAG AA ✓ Pass

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 28.6893, 28.1254, 50.3710 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 28.6893, 28.1254, 50.3710

Background



This preview shows how black text looks on a background with the XYZ color 28.6893, 28.1254, 50.3710.



This preview shows how white text looks on a background with the XYZ color 28.6893, 28.1254,

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

28.6893, 28.1254, 50.3710

Protanopia

28.4650, 28.2193, 50.9603

Deuteranopia

28.6893, 28.1254, 50.3710



Tritanopia

25.8976, 28.1165, 36.8630

Trichromacy



Original Color

28.6893, 28.1254, 50.3710

Protanomaly

28.6236, 28.3011, 50.9677

Deuteranomaly

28.6893, 28.1254, 50.3710

Tritanomaly

26.8026, 28.0209, 41.5320

Monochromacy



Original Color

28.6893, 28.1254, 50.3710

Achromatopsia

26.9133, 28.3149, 30.8349

Achromatomaly

27.4738, 28.2354, 37.2597

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.6893, 28.1254, 50.3710 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, 142, 186)` looks like.

```
.text, #text, p{  
    color:rgb(136, 142, 186)  
}
```

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, 142, 186) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(136, 142, 186) }
```

Border

The CSS property to change the border of an element to XYZ 28.6893, 28.1254, 50.3710 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, 142, 186) }
```


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

```
.border{ border-color:rgb(136, 142, 186) }
```

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

Here you see how a box with a 4 pixel rgb(136, 142, 186) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(136, 142, 186); -webkit-box-  
shadow:4px 4px 4px 4px rgb(136, 142, 186);  
box-shadow:4px 4px 4px 4px rgb(136, 142,  
186) }
```

Background

The CSS property to change the background color of an element to XYZ 28.6893, 28.1254, 50.3710 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(136, 142, 186) }
```

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

```
.background{ background-color: rgb(136,  
142, 186) }
```

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