

Converting Colors

XYZ(11.1826, 12.4350, 25.8556)

Have a look what the booklet for
XYZ(11.1826, 12.4350, 25.8556)
contains.

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Color

**XYZ(11.1826, 12.4350,
25.8556)**

Conversions

Conversions Part 1

Format	Color
Hex	3A678A
RGB	58, 103, 138
RGB Percent	23%, 40%, 54%
CMY	0.7725, 0.5961, 0.4588
CMYK	0.58, 0.25, 0.00, 0.46
HSL	206°, 41%, 38%
HSV	206°, 58%, 54%
XYZ	11.1826, 12.4350, 25.8556
YIQ	93.5350, -38.0550, 1.3450

Conversions

Conversions Part 2

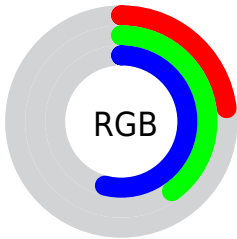
Format	Color
RYB	58, 87, 138
Decimal	3827594
CIELab	41.90, -4.56, -24.02
CIELCh	42, 24.453, 259.246
Yxy	12.4350, 0.2260, 0.2513
Android (android.graphics.Color)	4282017674 (0xFF3A678A)
YUV	93.5350, 21.9212, -31.1642
Hunter-Lab	35.2633, -5.1053, -18.7880

Details

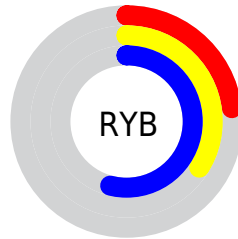
The XYZ color **11.1826, 12.4350, 25.8556** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **15.1598, 13.5381, 5.8176**, and the grayscale version is **10.4867, 11.0328, 12.0147**.

A 20% lighter version of the original color is **27.6256, 30.2965, 54.2610**, and **3.1756, 3.5329, 9.7471** is the 20% darker color. If you saturate the color by 10%, you get **9.9063, 10.9177, 25.6302**, and if you desaturate by 10%, it is **12.7182, 14.1508, 26.1061**.

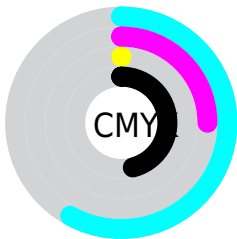
Distribution



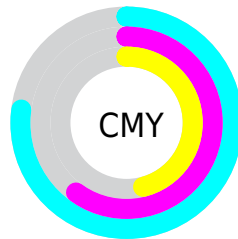
- Red (23%)
- Green (40%)
- Blue (54%)



- Red (23%)
- Yellow (34%)
- Blue (54%)



- Cyan (58%)
- Magenta (25%)
- Yellow (0%)
- Black (46%)



- Cyan (77%)
- Magenta (60%)
- Yellow (46%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 11.1826, 12.4350, 25.8556 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 11.1826, 12.4350, 25.8556 by changing the saturation by 10% instead.

■ 11.1826, 12.4350,
25.8556

■ 11.1826, 12.4350,
25.8556

■ 192.7986,
207.2642, 295.6554

■ 6.2580, 7.0407,
16.4908

■ 27.6273, 30.2849,
54.0231

■ 3.0447, 3.4875,
9.7140

■ 39.8781, 43.5093,
73.6630

■ 1.1775, 1.3913,
5.1067

■ 55.3017, 60.1125,
97.5649

■ 0.0885, 0.2103,
2.2501

■ 74.2634, 80.4789,
126.1476

■ 0.0000, 0.0000,
0.7031

■ 97.1286, 104.9928,
159.8294

■ 0.0000, 0.0000,
0.0000

■ 124.2626,

134.0388, 199.0289

156.0308,
168.0011, 244.1648

■ 11.1826, 12.4350,
25.8556

■ 11.1826, 12.4350,
25.8556

■ 9.9063, 10.9177,
25.6302

■ 12.7182, 14.1508,
26.1061

■ 8.8696, 9.5867,
25.4280

■ 14.5284, 16.0737,
26.3818

■ 8.0514, 8.4300,
25.2478

■ 16.6286, 18.2130,
26.6841

■ 7.4078, 7.4236,
25.0875

■ 19.0328, 20.5773,
27.0137

■ 7.2853, 7.2306,
25.0567

■ 21.7540, 23.1743,
27.3716

■ 24.8043, 26.0117,
27.7585

■ 28.1951, 29.0963,
28.1751

■ 31.9375, 32.4349,
28.6223

■ 36.0418, 36.0341,
29.1007

Harmonies

Analogous

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



9.6931, 12.4350, 22.5617



11.1826, 12.4350, 25.8556



13.0016, 12.4350, 25.2731

Triad

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



11.1826, 12.4350, 25.8556



15.4119, 12.4350, 10.5177



9.3779, 12.4350, 8.0276

Complementary

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



11.1826, 12.4350, 25.8556



15.1598, 13.5381, 5.8176

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.



10.7105, 12.4350, 6.1509



11.1826, 12.4350, 25.8556



14.2352, 12.4350, 7.3146

Square

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



11.1826, 12.4350, 25.8556



15.5713, 12.4350, 15.4824



12.4793, 12.4350, 5.9283



8.7240, 12.4350, 11.7666

Rectangle

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



11.1826, 12.4350, 25.8556



14.1561, 12.4350, 22.7992



12.4793, 12.4350, 5.9283



9.7546, 12.4350, 7.2034

Sweetspot

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



11.1830, 12.4354, 25.8559



33.8225, 36.5359, 47.6527



12.7949, 19.8613, 13.4385



7.4169, 8.0308, 10.6655



65.7814, 69.2071, 75.3665



9.5508, 10.0482, 10.9424

Same Dimension

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



11.1830, 12.4354, 25.8559



16.7703, 18.3800, 45.0470



8.1288, 6.3271, 24.8378



4.9927, 5.3283, 6.3712



6.6942, 6.6587, 22.9781



0.0591, 0.0735, 0.1575

Inverse Universe

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



14.4428, 9.4091, 13.8873



23.4009, 13.5719, 20.4000



19.5873, 22.3930, 7.2934



5.1429, 5.0926, 5.8411



10.8657, 5.4564, 7.0632



0.0796, 0.0392, 0.0858

Previews

White Background



This preview shows how the XYZ color 11.1826, 12.4350, 25.8556 looks on a white 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

Black Background



This preview shows how the XYZ color 11.1826, 12.4350, 25.8556 looks on a black 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

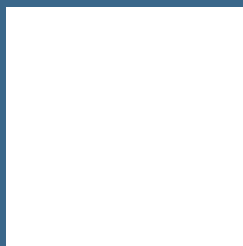
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 11.1826, 12.4350, 25.8556

Background



This preview shows how black text looks on a background with the XYZ color 11.1826, 12.4350, 25.8556.

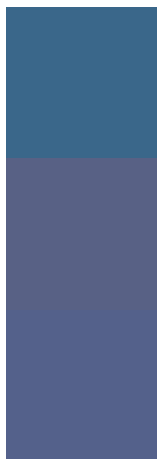


This preview shows how white text looks on a background with the XYZ color 11.1826, 12.4350,

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

11.1826, 12.4350, 25.8556

Protanopia

12.5328, 12.3176, 23.9073

Deuteranopia

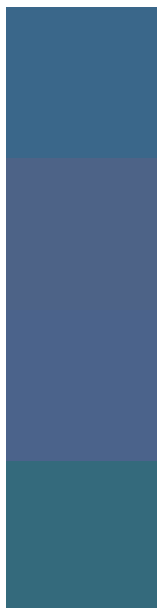
12.5911, 12.2983, 26.1363



Tritanopia

9.6767, 12.4293, 18.4121

Trichromacy



Original Color

11.1826, 12.4350, 25.8556

Protanomaly

11.8956, 12.2507, 24.6593

Deuteranomaly

12.0237, 12.2836, 26.1634

Tritanomaly

10.2083, 12.4934, 20.9422

Monochromacy



Original Color

11.1826, 12.4350, 25.8556

Achromatopsia

10.6392, 11.1932, 12.1894

Achromatomaly

10.4825, 11.4245, 16.4045

CSS Examples

Text

The CSS property to change the color of the text to XYZ 11.1826, 12.4350, 25.8556 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(58, 103, 138)` looks like.

```
.text, #text, p{  
    color:rgb(58, 103, 138)  
}
```

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(58, 103, 138) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(58, 103, 138) }
```

Border

The CSS property to change the border of an element to XYZ 11.1826, 12.4350, 25.8556 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(58, 103, 138) }
```


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

```
.border{ border-color:rgb(58, 103, 138) }
```

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

Here you see how a box with a 4 pixel `rgb(58, 103, 138)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(58, 103, 138); -webkit-box-  
shadow:4px 4px 4px 4px rgb(58, 103, 138);  
box-shadow:4px 4px 4px 4px rgb(58, 103,  
138) }
```

Background

The CSS property to change the background color of an element to XYZ 11.1826, 12.4350, 25.8556 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(58, 103, 138) }
```

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

```
.background{ background-color: rgb(58, 103,  
138) }
```

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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