

Converting Colors

XYZ(12.4558, 12.7911, 26.2385)

Have a look what the booklet for
XYZ(12.4558, 12.7911, 26.2385)
contains.

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Color

**XYZ(12.4558, 12.7911,
26.2385)**

Conversions

Conversions Part 1

Format	Color
Hex	4E658B
RGB	78, 101, 139
RGB Percent	31%, 40%, 55%
CMY	0.6941, 0.6039, 0.4549
CMYK	0.44, 0.27, 0.00, 0.45
HSL	217°, 28%, 43%
HSV	217°, 44%, 55%
XYZ	12.4558, 12.7911, 26.2385
YIQ	98.4550, -25.9060, 6.9420

Conversions

Conversions Part 2

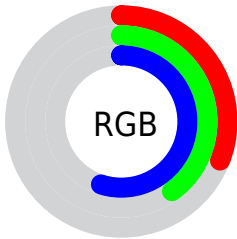
Format	Color
R_{YB}	78, 95, 139
Decimal	5137803
CIE _{Lab}	42.45, 2.04, -23.69
CIE _{LCh}	42, 23.776, 274.930
Yxy	12.7911, 0.2419, 0.2484
Android (android.graphics.Color)	4283327883 (0xFF4E658B)
YUV	98.4550, 19.9887, -17.9390
Hunter-Lab	35.7646, -0.4217, -18.4625

Details

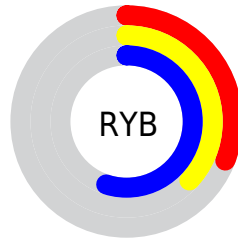
The XYZ color **12.4558, 12.7911, 26.2385** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **18.2685, 18.5306, 9.8223**, and the grayscale version is **11.6795, 12.2878, 13.3814**.

A 20% lighter version of the original color is **30.0598, 31.0526, 54.8615**, and **3.6214, 3.6867, 9.9719** is the 20% darker color. If you saturate the color by 10%, you get **10.6382, 10.6713, 25.9254**, and if you desaturate by 10%, it is **14.6036, 15.2132, 26.5930**.

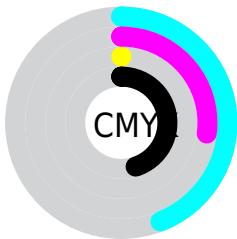
Distribution



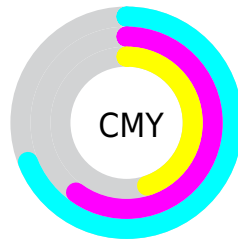
- Red (31%)
- Green (40%)
- Blue (55%)



- Red (31%)
- Yellow (37%)
- Blue (55%)



- Cyan (44%)
- Magenta (27%)
- Yellow (0%)
- Black (45%)



- Cyan (69%)
- Magenta (60%)
- Yellow (45%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.4558, 12.7911, 26.2385 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 12.4558, 12.7911, 26.2385 by changing the saturation by 10% instead.

■ 12.4558, 12.7911,
26.2385

■ 12.4558, 12.7911,
26.2385

201.1088,
209.5745, 297.5935

■ 7.1293, 7.2849,
16.7748

■ 29.9323, 30.9280,
54.6483

■ 3.5901, 3.6409,
9.9138

■ 42.8130, 44.3274,
74.4314

■ 1.4730, 1.4748,
5.2370

■ 58.9424, 61.1267,
98.4914

■ 0.3073, 0.2709,
2.3258

■ 78.6860, 81.7102,
127.2468

■ 0.0000, 0.0000,
0.7456

■ 102.4091,
106.4623, 161.1162

■ 0.0000, 0.0000,
0.0000

130.4770,

135.7675, 200.5181

163.2551,
170.0101, 245.8710

■ 12.4558, 12.7911,
26.2385

■ 12.4558, 12.7911,
26.2385

■ 10.6382, 10.6713,
25.9254

■ 14.6036, 15.2132,
26.5930

■ 9.1314, 8.8389,
25.6511

■ 17.0970, 17.9486,
26.9896

■ 7.9161, 7.2800,
25.4143

■ 19.9516, 21.0094,
27.4300

■ 6.9696, 5.9784,
25.2129

■ 23.1821, 24.4066,
27.9154

■ 6.2649, 4.9154,
25.0449

■ 26.8019, 28.1507,
28.4473

■ 5.9065, 4.3566,
24.9559

■ 30.8240, 32.2517,
29.0269

■ 35.2606, 36.7190,
29.6553

■ 40.1237, 41.5620,
30.3338

■ 45.4243, 46.7894,
31.0634

Harmonies

Analogous

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



10.7566, 12.7911, 24.9009



12.4558, 12.7911, 26.2385



14.2369, 12.7911, 23.6736

Triad

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



12.4558, 12.7911, 26.2385



15.2036, 12.7911, 9.0110



9.2986, 12.7911, 10.1540

Complementary

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



12.4558, 12.7911, 26.2385



18.2685, 18.5306, 9.8223

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.



10.2912, 12.7911, 7.3078



12.4558, 12.7911, 26.2385



13.6752, 12.7911, 6.7704

Square

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



12.4558, 12.7911, 26.2385



15.9195, 12.7911, 13.0971



11.8641, 12.7911, 6.2336



9.0405, 12.7911, 14.7919

Rectangle

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



12.4558, 12.7911, 26.2385



15.1980, 12.7911, 20.3940



11.8641, 12.7911, 6.2336



9.5523, 12.7911, 8.9964

Sweetspot

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



12.4562, 12.7916, 26.2388



36.0574, 37.9716, 49.1718



15.5051, 21.3373, 19.7082



8.0592, 8.4847, 11.2924



67.5393, 71.0566, 77.3807



10.1266, 10.6539, 11.6021

Same Dimension

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



12.4562, 12.7916, 26.2388



18.9709, 19.0149, 46.4133



11.1421, 9.2503, 25.6245



4.9191, 5.1812, 6.3466



5.3464, 3.9631, 22.5289



0.0488, 0.0529, 0.1541

Inverse Universe

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



15.7212, 11.8779, 13.7763



25.7916, 17.7287, 20.2394



20.1056, 23.9117, 10.7642



5.1058, 5.0778, 5.6456



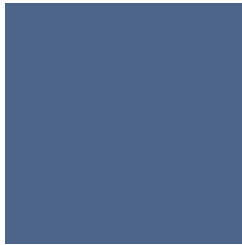
10.1854, 5.1843, 3.4808



0.0744, 0.0371, 0.0585

Previews

White Background



This preview shows how the XYZ color 12.4558, 12.7911, 26.2385 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 12.4558, 12.7911, 26.2385 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 12.4558, 12.7911, 26.2385

Background



This preview shows how black text looks on a background with the XYZ color 12.4558, 12.7911, 26.2385.

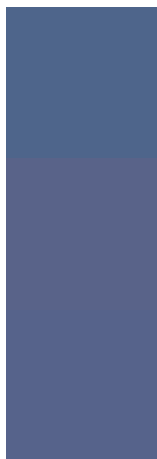


This preview shows how white text looks on a background with the XYZ color 12.4558, 12.7911,

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

12.4558, 12.7911, 26.2385

Protanopia

13.0970, 12.8537, 25.4576

Deuteranopia

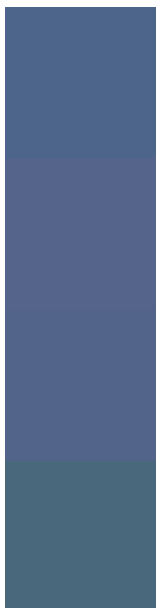
12.9598, 12.7662, 26.2072



Tritanopia

10.7898, 12.8626, 17.8336

Trichromacy



Original Color

12.4558, 12.7911, 26.2385

Protanomaly

12.8909, 12.8806, 25.8515

Deuteranomaly

12.7847, 12.8174, 26.2263

Tritanomaly

11.3495, 12.7865, 20.6088

Monochromacy



Original Color

12.4558, 12.7911, 26.2385

Achromatopsia

11.6093, 12.2139, 13.3009

Achromatomaly

11.7569, 12.3401, 17.3850

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.4558, 12.7911, 26.2385 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(78, 101, 139)` looks like.

```
.text, #text, p{  
    color:rgb(78, 101, 139)  
}
```

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(78, 101, 139) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(78, 101, 139) }
```

Border

The CSS property to change the border of an element to XYZ 12.4558, 12.7911, 26.2385 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(78, 101, 139) }
```


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

```
.border{ border-color:rgb(78, 101, 139) }
```

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

Here you see how a box with a 4 pixel `rgb(78, 101, 139)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(78, 101, 139); -webkit-box-  
shadow:4px 4px 4px 4px rgb(78, 101, 139);  
box-shadow:4px 4px 4px 4px rgb(78, 101,  
139) }
```

Background

The CSS property to change the background color of an element to XYZ 12.4558, 12.7911, 26.2385 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(78, 101, 139) }
```

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

```
.background{ background-color: rgb(78, 101,  
139) }
```

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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