

Converting Colors

XYZ(12.0877, 13.8106, 26.3866)

Have a look what the booklet for
XYZ(12.0877, 13.8106, 26.3866)
contains.

XYZ(12.1154, 13.8255, 26.4561)	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(12.1154, 13.8255,
26.4561)**

Conversions

Conversions Part 1

Format	Color
Hex	3E6D8B
RGB	62, 109, 139
RGB Percent	24%, 43%, 55%
CMY	0.7569, 0.5725, 0.4549
CMYK	0.55, 0.22, 0.00, 0.45
HSL	203°, 38%, 39%
HSV	203°, 55%, 55%
XYZ	12.1154, 13.8255, 26.4561
YIQ	98.3670, -37.6420, -0.6340

Conversions

Conversions Part 2

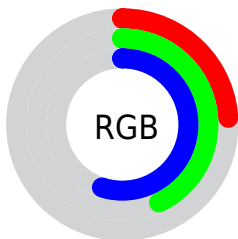
Format	Color
R _Y B	62, 91, 139
Decimal	4091275
CIE Lab	43.98, -6.91, -21.38
CIE LCh	44, 22.472, 252.099
Yxy	13.8255, 0.2312, 0.2639
Android (android.graphics.Color)	4282281355 (0xFF3E6D8B)
YUV	98.3670, 20.0321, -31.8939
Hunter-Lab	37.1827, -6.9082, -16.1580

Details

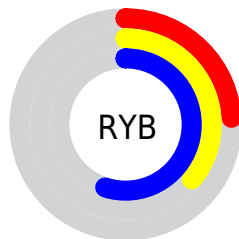
The XYZ color **12.1154, 13.8255, 26.4561** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **15.3444, 13.4914, 6.3532**, and the grayscale version is **11.6596, 12.2668, 13.3586**.

A 20% lighter version of the original color is **29.2667, 32.6367, 55.2091**, and **3.5258, 4.1665, 10.0696** is the 20% darker color. If you saturate the color by 10%, you get **10.7928, 12.3125, 26.2340**, and if you desaturate by 10%, it is **13.6975, 15.5256, 26.7011**.

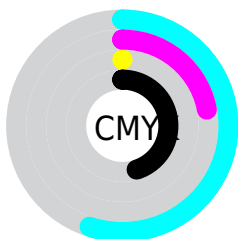
Distribution



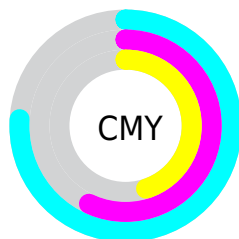
- Red (24%)
- Green (43%)
- Blue (55%)



- Red (24%)
- Yellow (36%)
- Blue (55%)



- Cyan (55%)
- Magenta (22%)
- Yellow (0%)
- Black (45%)



- Cyan (76%)
- Magenta (57%)
- Yellow (45%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.1154, 13.8255, 26.4561 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 12.1154, 13.8255, 26.4561 by changing the saturation by 10% instead.

■ 12.1154, 13.8255,
26.4561

■ 12.1154, 13.8255,
26.4561

198.9221,
216.1425, 298.6903

■ 6.8951, 7.9994,
16.9363

■ 29.3201, 32.7791,
55.0029

■ 3.4423, 4.0946,
10.0276

■ 42.0353, 46.6754,
74.8671

■ 1.3918, 1.7266,
5.3114

■ 57.9794, 64.0305,
99.0164

■ 0.2503, 0.4408,
2.3692

■ 77.5178, 85.2288,
127.8695

■ 0.0000, 0.0000,
0.7696

■ 101.0160,
110.6548, 161.8450

■ 0.0000, 0.0000,
0.0000

128.8392,

140.6928, 201.3612

161.3528,
175.7273, 246.8368

■ 12.1154, 13.8255,
26.4561

■ 12.1154, 13.8255,
26.4561

■ 10.7928, 12.3125,
26.2340

■ 13.6975, 15.5256,
26.7011

■ 9.7103, 10.9750,
26.0329

■ 15.5539, 17.4207,
26.9691

■ 8.8478, 9.8018,
25.8519

■ 17.6998, 19.5196,
27.2611

■ 8.1762, 8.7770,
25.6895

■ 20.1489, 21.8304,
27.5780

■ 7.8966, 8.3368,
25.6193

■ 22.9138, 24.3604,
27.9207

■ 26.0065, 27.1166,
28.2897

■ 29.4383, 30.1057,
28.6857

■ 33.2200, 33.3340,
29.1095

■ 37.3619, 36.8076,
29.5617

Harmonies

Analogous

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



10.7587, 13.8255, 22.6377



12.1154, 13.8255, 26.4561



13.8721, 13.8255, 26.8322

Triad

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



12.1154, 13.8255, 26.4561



16.7840, 13.8255, 13.0889



10.9747, 13.8255, 8.8831

Complementary

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



12.1154, 13.8255, 26.4561



15.3444, 13.4914, 6.3532

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.



12.4355, 13.8255, 7.3526



12.1154, 13.8255, 26.4561



15.8507, 13.8255, 9.3864

Square

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



12.1154, 13.8255, 26.4561



16.6786, 13.8255, 18.2759



14.2223, 13.8255, 7.5131



10.1423, 13.8255, 12.2343

Rectangle

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



12.1154, 13.8255, 26.4561



15.0470, 13.8255, 24.9911



14.2223, 13.8255, 7.5131



11.4027, 13.8255, 8.1768

Sweetspot

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



12.1159, 13.8260, 26.4564



35.1722, 38.2458, 49.2714



13.1303, 20.2539, 13.2326



7.9249, 8.6445, 11.3303



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.



12.1159, 13.8260, 26.4564



18.8982, 21.5355, 46.9037



8.8994, 7.3930, 25.3843



5.0120, 5.3669, 6.3776



7.1439, 7.5581, 23.1280



0.0617, 0.0788, 0.1584

Inverse Universe

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



15.1308, 10.0387, 15.6087



25.1041, 14.9621, 24.3006



19.5021, 21.8068, 7.7391



5.1527, 5.0965, 5.8923



11.0927, 5.5472, 8.2586



0.0809, 0.0397, 0.0928

Previews

White Background



This preview shows how the XYZ color 12.1154, 13.8255, 26.4561 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 12.1154, 13.8255, 26.4561 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

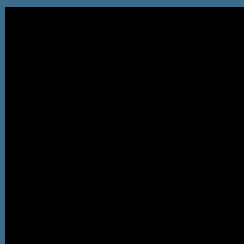
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

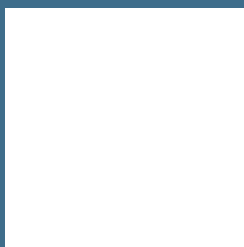
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 12.1154, 13.8255, 26.4561

Background



This preview shows how black text looks on a background with the XYZ color 12.1154, 13.8255, 26.4561.

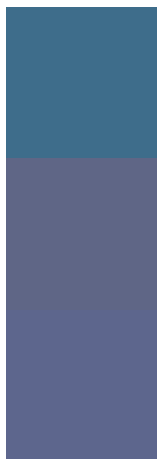


This preview shows how white text looks on a background with the XYZ color 12.1154, 13.8255,

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

12.1154, 13.8255, 26.4561

Protanopia

13.7738, 13.6569, 24.4643

Deuteranopia

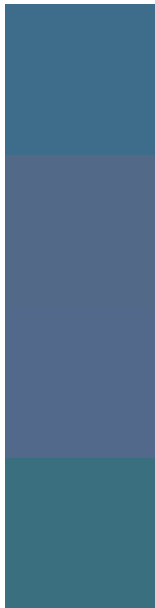
14.0733, 13.7530, 27.1122



Tritanopia

10.8209, 13.7810, 20.1788

Trichromacy



Original Color

12.1154, 13.8255, 26.4561

Protanomaly

13.0628, 13.7197, 25.2522

Deuteranomaly

13.2649, 13.7904, 26.7736

Tritanomaly

11.3256, 13.8269, 22.4940

Monochromacy



Original Color

12.1154, 13.8255, 26.4561

Achromatopsia

11.6093, 12.2139, 13.3009

Achromatomaly

11.4783, 12.6263, 17.4549

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.1154, 13.8255, 26.4561 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(62, 109, 139)` looks like.

```
.text, #text, p{  
    color:rgb(62, 109, 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(62, 109, 139) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(62, 109, 139) }
```

Border

The CSS property to change the border of an element to XYZ 12.1154, 13.8255, 26.4561 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(62, 109, 139) }
```


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

```
.border{ border-color:rgb(62, 109, 139) }
```

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

Here you see how a box with a 4 pixel `rgb(62, 109, 139)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(62, 109, 139); -webkit-box-  
shadow:4px 4px 4px 4px rgb(62, 109, 139);  
box-shadow:4px 4px 4px 4px rgb(62, 109,  
139) }
```

Background

The CSS property to change the background color of an element to XYZ 12.1154, 13.8255, 26.4561 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(62, 109, 139) }
```

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

```
.background{ background-color: rgb(62, 109,  
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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