

Converting Colors

XYZ(11.4903, 13.4800, 21.5272)

Have a look what the booklet for
XYZ(11.4903, 13.4800, 21.5272)
contains.

XYZ(11.4481, 13.4347, 21.3918)	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(11.4481, 13.4347,
21.3918)**

Conversions

Conversions Part 1

Format	Color
Hex	446C7D
RGB	68, 108, 125
RGB Percent	27%, 42%, 49%
CMY	0.7333, 0.5765, 0.5098
CMYK	0.46, 0.14, 0.00, 0.51
HSL	198°, 30%, 38%
HSV	198°, 46%, 49%
XYZ	11.4481, 13.4347, 21.3918
YIQ	97.9780, -29.2970, -3.1930

Conversions

Conversions Part 2

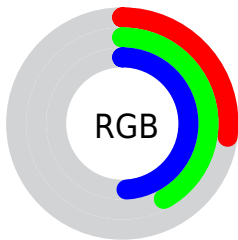
Format	Color
R_{YB}	68, 92, 125
Decimal	4484221
CIE _{Lab}	43.41, -9.16, -13.83
CIE _{LCh}	43, 16.590, 236.505
Yxy	13.4347, 0.2474, 0.2903
Android (android.graphics.Color)	4282674301 (0xFF446C7D)
YUV	97.9780, 13.3218, -26.2907
Hunter-Lab	36.6534, -8.3918, -8.9457

Details

The XYZ color **11.4481, 13.4347, 21.3918** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **12.7496, 11.2746, 6.9735**, and the grayscale version is **11.5774, 12.1804, 13.2644**.

A 20% lighter version of the original color is **28.0418, 31.9326, 46.8051**, and **3.1703, 3.9608, 7.4349** is the 20% darker color. If you saturate the color by 10%, you get **10.2828, 12.2630, 21.2273**, and if you desaturate by 10%, it is **12.8170, 14.7369, 21.5712**.

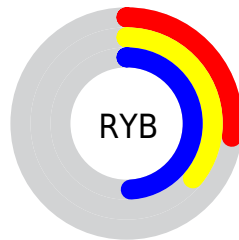
Distribution



Red (27%)

Green (42%)

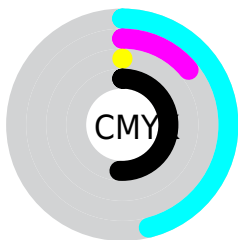
Blue (49%)



Red (27%)

Yellow (36%)

Blue (49%)

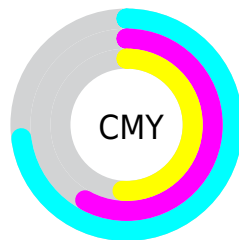


Cyan (46%)

Magenta (14%)

Yellow (0%)

Black (51%)



Cyan (73%)

Magenta (58%)

Yellow (51%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 11.4481, 13.4347, 21.3918 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 11.4481, 13.4347, 21.3918 by changing the saturation by 10% instead.

■ 11.4481, 13.4347,
21.3918

■ 11.4481, 13.4347,
21.3918

194.5620,
213.6851, 272.2025

■ 6.4386, 7.7286,
13.2167

■ 28.1115, 32.0826,
46.6279

■ 3.1567, 3.9218,
7.4454

■ 40.4961, 45.7931,
64.5260

■ 1.2372, 1.6299,
3.6596

■ 56.0698, 62.9405,
86.5021

■ 0.1354, 0.3776,
1.4405

■ 75.1980, 83.9092,
112.9748

■ 0.0000, 0.0000,
0.1730

■ 98.2459, 109.0837,
144.3627

■ 0.0000, 0.0000,
0.0000

125.5790,

138.8482, 181.0842

157.5625,
173.5872, 223.5580

■ 11.4481, 13.4347,
21.3918

■ 11.4481, 13.4347,
21.3918

■ 10.2828, 12.2630,
21.2273

■ 12.8170, 14.7369,
21.5712

■ 9.3078, 11.2137,
21.0762

■ 14.3992, 16.1741,
21.7653

■ 8.5098, 10.2801,
20.9380

■ 16.2056, 17.7524,
21.9747

■ 7.8735, 9.4538,
20.8121

■ 18.2455, 19.4769,
22.2000

■ 7.3732, 8.7213,
20.6970

■ 20.5281, 21.3527,
22.4418

■ 7.1686, 8.4144,
20.6486

■ 23.0618, 23.3843,
22.7004

■ 25.8546, 25.5763,
22.9763

■ 28.9142, 27.9327,
23.2699

■ 32.2481, 30.4578,
23.5816

Harmonies

Analogous

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



10.6747, 13.4347, 18.0348



11.4481, 13.4347, 21.3918



12.6186, 13.4347, 22.9309

Triad

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



11.4481, 13.4347, 21.3918



15.4100, 13.4347, 15.0657



11.6935, 13.4347, 9.1450

Complementary

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



11.4481, 13.4347, 21.3918



12.7496, 11.2746, 6.9735

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.



12.9212, 13.4347, 8.6189



11.4481, 13.4347, 21.3918



15.1214, 13.4347, 11.6800

Square

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



11.4481, 13.4347, 21.3918



14.9527, 13.4347, 18.9114



14.1884, 13.4347, 9.4655



10.8095, 13.4347, 11.0459

Rectangle

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



11.4481, 13.4347, 21.3918



13.4874, 13.4347, 22.5556



14.1884, 13.4347, 9.4655



12.0771, 13.4347, 8.8170

Sweetspot

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



11.4485, 13.4352, 21.3921



29.4568, 32.1643, 39.4001



11.3240, 16.5389, 11.0142



6.5592, 7.1951, 8.9462



60.6688, 63.8283, 69.5090



7.9400, 8.3535, 9.0970

Same Dimension

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



11.4485, 13.4352, 21.3921



18.2748, 21.8150, 37.9919



8.9803, 8.4987, 20.5694



4.3415, 4.6771, 5.4872



7.4755, 8.7695, 21.5486



0.0000, 0.0000, 0.0000

Inverse Universe

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



13.2317, 9.5773, 15.3391



22.0314, 14.4206, 25.0755



15.3673, 16.5099, 7.8460



4.4452, 4.3912, 5.1490



10.6502, 5.2798, 10.0139



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 11.4481, 13.4347, 21.3918 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 11.4481, 13.4347, 21.3918 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

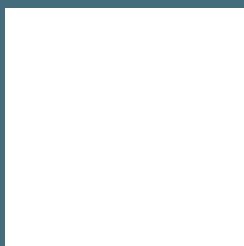
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 11.4481, 13.4347, 21.3918

Background



This preview shows how black text looks on a background with the XYZ color 11.4481, 13.4347, 21.3918.



This preview shows how white text looks on a background with the XYZ color 11.4481, 13.4347,

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

11.4481, 13.4347, 21.3918

Protanopia

13.0808, 13.2601, 19.6393

Deuteranopia

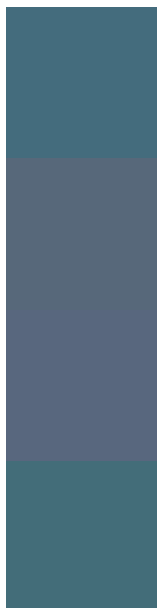
13.6435, 13.3560, 21.9375



Tritanopia

10.9854, 13.4035, 19.1477

Trichromacy



Original Color

11.4481, 13.4347, 21.3918

Protanomaly

12.3936, 13.3320, 20.3325

Deuteranomaly

12.6406, 13.2816, 21.6360

Tritanomaly

11.2346, 13.5110, 20.1049

Monochromacy



Original Color

11.4481, 13.4347, 21.3918

Achromatopsia

11.6093, 12.2139, 13.3009

Achromatomaly

11.3886, 12.6117, 16.0214

CSS Examples

Text

The CSS property to change the color of the text to XYZ 11.4481, 13.4347, 21.3918 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(68, 108, 125)` looks like.

```
.text, #text, p{  
    color:rgb(68, 108, 125)  
}
```

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(68, 108, 125) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(68, 108, 125) }
```

Border

The CSS property to change the border of an element to XYZ 11.4481, 13.4347, 21.3918 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(68, 108, 125) }
```


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

```
.border{ border-color:rgb(68, 108, 125) }
```

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

Here you see how a box with a 4 pixel `rgb(68, 108, 125)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(68, 108, 125); -webkit-box-  
shadow:4px 4px 4px 4px rgb(68, 108, 125);  
box-shadow:4px 4px 4px 4px rgb(68, 108,  
125) }
```

Background

The CSS property to change the background color of an element to XYZ 11.4481, 13.4347, 21.3918 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(68, 108, 125) }
```

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

```
.background{ background-color: rgb(68, 108,  
125) }
```

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