

Converting Colors

XYZ(11.9687, 13.8766, 21.1166)

Have a look what the booklet for
XYZ(11.9687, 13.8766, 21.1166)
contains.

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Color

**XYZ(11.9308, 13.8484,
21.1130)**

Conversions

Conversions Part 1

Format	Color
Hex	4A6D7C
RGB	74, 109, 124
RGB Percent	29%, 43%, 49%
CMY	0.7098, 0.5725, 0.5137
CMYK	0.40, 0.12, 0.00, 0.51
HSL	198°, 25%, 39%
HSV	198°, 40%, 49%
XYZ	11.9308, 13.8484, 21.1130
YIQ	100.2450, -25.6750, -2.7550

Conversions

Conversions Part 2

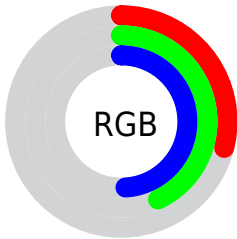
Format	Color
RYB	74, 95, 124
Decimal	4877692
CIELab	44.01, -8.33, -12.29
CIELCh	44, 14.847, 235.850
Yxy	13.8484, 0.2544, 0.2953
Android (android.graphics.Color)	4283067772 (0xFF4A6D7C)
YUV	100.2450, 11.7112, -23.0169
Hunter-Lab	37.2134, -7.8956, -7.5887

Details

The XYZ color **11.9308, 13.8484, 21.1130** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **13.1209, 11.9245, 8.0891**, and the grayscale version is **12.1518, 12.7846, 13.9224**.

A 20% lighter version of the original color is **28.9641, 32.6759, 46.3755**, and **3.3935, 4.1599, 7.2807** is the 20% darker color. If you saturate the color by 10%, you get **10.6803, 12.6273, 20.9435**, and if you desaturate by 10%, it is **13.3872, 15.2012, 21.2976**.

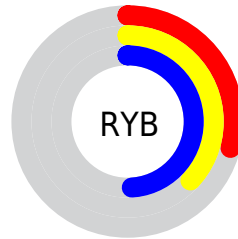
Distribution



Red (29%)

Green (43%)

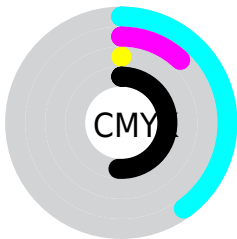
Blue (49%)



Red (29%)

Yellow (37%)

Blue (49%)

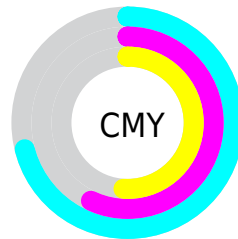


Cyan (40%)

Magenta (12%)

Yellow (0%)

Black (51%)



Cyan (71%)

Magenta (57%)

Yellow (51%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 11.9308, 13.8484, 21.1130 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 11.9308, 13.8484, 21.1130 by changing the saturation by 10% instead.

■ 11.9308, 13.8484,
21.1130

■ 11.9308, 13.8484,
21.1130

197.7259,
216.2857, 270.6792

■ 6.7684, 8.0153,
13.0146

■ 28.9870, 32.8198,
46.1588

■ 3.3627, 4.1047,
7.3077

■ 41.6115, 46.7269,
63.9432

■ 1.3484, 1.7323,
3.5739

■ 57.4541, 64.0941,
85.7933

■ 0.2190, 0.4445,
1.3946

■ 76.8801, 85.3058,
112.1278

■ 0.0000, 0.0000,
0.1375

■ 100.2550,
110.7464, 143.3650

■ 0.0000, 0.0000,
0.0000

127.9440,

140.8003, 179.9236

160.3125,
175.8520, 222.2222

■ 11.9308, 13.8484,
21.1130

■ 11.9308, 13.8484,
21.1130

■ 10.6803, 12.6273,
20.9435

■ 13.3872, 15.2012,
21.2976

■ 9.6230, 11.5303,
20.7874

■ 15.0586, 16.6897,
21.4968

■ 8.7470, 10.5509,
20.6446

■ 16.9551, 18.3198,
21.7115

■ 8.0381, 9.6817,
20.5142

■ 19.0858, 20.0964,
21.9421

■ 7.4801, 8.9140,
20.3954

■ 21.4592, 22.0242,
22.1891

■ 7.0304, 8.2398,
20.2889

■ 24.0834, 24.1077,
22.4530

■ 26.9661, 26.3512,
22.7341

■ 30.1146, 28.7586,
23.0328

■ 33.5362, 31.3340,
23.3496

Harmonies

Analogous

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



11.2265, 13.8484, 18.0893



11.9308, 13.8484, 21.1130



12.9991, 13.8484, 22.5227

Triad

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



11.9308, 13.8484, 21.1130



15.5547, 13.8484, 15.5532



12.1989, 13.8484, 9.9592

Complementary

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



11.9308, 13.8484, 21.1130



13.1209, 11.9245, 8.0891

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.



13.3272, 13.8484, 9.4872



11.9308, 13.8484, 21.1130



15.3092, 13.8484, 12.4219

Square

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



11.9308, 13.8484, 21.1130



15.1285, 13.8484, 19.0235



14.4762, 13.8484, 10.3197



11.3746, 13.8484, 11.7206

Rectangle

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



11.9308, 13.8484, 21.1130



13.7912, 13.8484, 22.2239



14.4762, 13.8484, 10.3197



12.5532, 13.8484, 9.6569

Sweetspot

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



11.9312, 13.8489, 21.1133



29.1493, 31.6547, 38.1303



11.8004, 16.5788, 11.8473



6.7830, 7.3852, 8.9710



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.



11.9312, 13.8489, 21.1133



19.0366, 22.4633, 36.8891



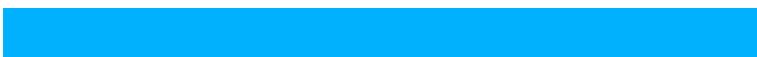
9.6979, 9.3823, 20.3689



4.0104, 4.3191, 5.0655



7.1446, 8.3717, 20.6246



33.3089, 38.3905, 98.1243

Inverse Universe

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



13.5217, 10.2872, 15.7416



22.3147, 15.6310, 25.7031



15.4723, 16.6273, 8.8729



4.1057, 4.0580, 4.7542



10.1896, 5.0520, 9.5553



48.2159, 23.9427, 43.5287

Previews

White Background



This preview shows how the XYZ color 11.9308, 13.8484, 21.1130 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 11.9308, 13.8484, 21.1130 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

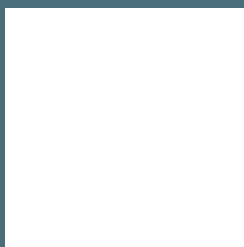
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 11.9308, 13.8484, 21.1130

Background



This preview shows how black text looks on a background with the XYZ color 11.9308, 13.8484, 21.1130.



This preview shows how white text looks on a background with the XYZ color 11.9308, 13.8484,

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

11.9308, 13.8484, 21.1130

Protanopia

13.6072, 13.8233, 19.7203

Deuteranopia

14.0131, 13.6973, 21.6439



Tritanopia

11.6534, 13.9002, 19.5216

Trichromacy



Original Color

11.9308, 13.8484, 21.1130

Protanomaly

12.8171, 13.7078, 20.0595

Deuteranomaly

13.0656, 13.6566, 21.3494

Tritanomaly

11.7748, 13.9488, 20.1610

Monochromacy



Original Color

11.9308, 13.8484, 21.1130

Achromatopsia

12.1130, 12.7438, 13.8780

Achromatomaly

11.9249, 13.0288, 16.3543

CSS Examples

Text

The CSS property to change the color of the text to XYZ 11.9308, 13.8484, 21.1130 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(74, 109, 124)` looks like.

```
.text, #text, p{  
    color:rgb(74, 109, 124)  
}
```

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(74, 109, 124) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(74, 109, 124) }
```

Border

The CSS property to change the border of an element to XYZ 11.9308, 13.8484, 21.1130 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(74, 109, 124) }
```


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

```
.border{ border-color:rgb(74, 109, 124) }
```

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

Here you see how a box with a 4 pixel `rgb(74, 109, 124)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(74, 109, 124); -webkit-box-  
shadow:4px 4px 4px 4px rgb(74, 109, 124);  
box-shadow:4px 4px 4px 4px rgb(74, 109,  
124) }
```

Background

The CSS property to change the background color of an element to XYZ 11.9308, 13.8484, 21.1130 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(74, 109, 124) }
```

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

```
.background{ background-color: rgb(74, 109,  
124) }
```

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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