

Converting Colors

XYZ(11.7137, 13.9244, 19.8396)

Have a look what the booklet for
XYZ(11.7137, 13.9244, 19.8396)
contains.

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Color

**XYZ(11.7137, 13.9244,
19.8396)**

Conversions

Conversions Part 1

Format	Color
Hex	496E78
RGB	73, 110, 120
RGB Percent	29%, 43%, 47%
CMY	0.7137, 0.5686, 0.5294
CMYK	0.39, 0.08, 0.00, 0.53
HSL	193°, 24%, 38%
HSV	193°, 39%, 47%
XYZ	11.7137, 13.9244, 19.8396
YIQ	100.0770, -25.2620, -4.7340

Conversions

Conversions Part 2

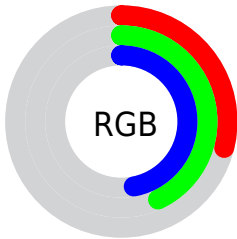
Format	Color
R_{YB}	73, 94, 120
Decimal	4812408
CIE _{Lab}	44.12, -10.33, -9.72
CIE _{LCh}	44, 14.189, 223.250
Yxy	13.9244, 0.2576, 0.3062
Android (android.graphics.Color)	4283002488 (0xFF496E78)
YUV	100.0770, 9.8220, -23.7465
Hunter-Lab	37.3154, -9.2689, -5.4021

Details

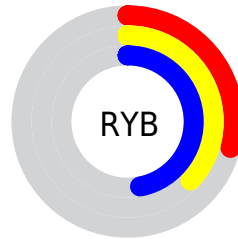
The XYZ color **11.7137, 13.9244, 19.8396** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **12.0417, 10.6606, 7.7266**, and the grayscale version is **12.1134, 12.7442, 13.8785**.

A 20% lighter version of the original color is **28.6789, 33.1043, 43.9080**, and **3.2690, 4.1073, 6.7514** is the 20% darker color. If you saturate the color by 10%, you get **10.6194, 12.9576, 19.7109**, and if you desaturate by 10%, it is **12.9922, 14.9987, 19.9798**.

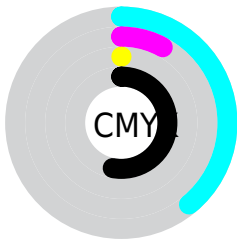
Distribution



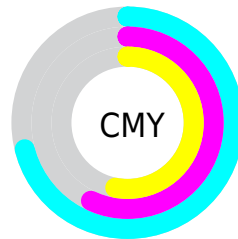
- Red (29%)
- Green (43%)
- Blue (47%)



- Red (29%)
- Yellow (37%)
- Blue (47%)



- Cyan (39%)
- Magenta (8%)
- Yellow (0%)
- Black (53%)



- Cyan (71%)
- Magenta (57%)
- Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 11.7137, 13.9244, 19.8396 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 11.7137, 13.9244, 19.8396 by changing the saturation by 10% instead.

■ 11.7137, 13.9244,
19.8396

■ 11.7137, 13.9244,
19.8396

196.3095,
216.7600, 263.6209

■ 6.6198, 8.0681,
12.0956

■ 28.5940, 32.9548,
44.0035

■ 3.2697, 4.1386,
6.6855

■ 41.1111, 46.8977,
61.2605

■ 1.2979, 1.7514,
3.1907

■ 56.8334, 64.3050,
82.5256

■ 0.1817, 0.4566,
1.1928

■ 76.1262, 85.5610,
108.2173

■ 0.0000, 0.0000,
0.0000

■ 99.3549, 111.0501,
138.7541

126.8847,

141.1567, 174.5546

159.0811,
176.2652, 216.0374

■ 11.7137, 13.9244,
19.8396

■ 11.7137, 13.9244,
19.8396

■ 10.6194, 12.9576,
19.7109

■ 12.9922, 14.9987,
19.9798

■ 9.6979, 12.0912,
19.5922

■ 14.4632, 16.1836,
20.1310

■ 8.9384, 11.3199,
19.4834

■ 16.1356, 17.4845,
20.2939

■ 8.3283, 10.6370,
19.3837

■ 18.0178, 18.9055,
20.4690

■ 7.8529, 10.0351,
19.2926

■ 20.1173, 20.4508,
20.6566

■ 7.4666, 9.4904,
19.2078

■ 22.4417, 22.1242,
20.8571

■ 7.4350, 9.4458,
19.2009

■ 24.9977, 23.9294,
21.0709

■ 27.7921, 25.8699,
21.2981

■ 30.8312, 27.9491,
21.5393

Harmonies

Analogous

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



11.2296, 13.9244, 16.6335



11.7137, 13.9244, 19.8396



12.6181, 13.9244, 21.9383

Triad

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



11.7137, 13.9244, 19.8396



15.4273, 13.9244, 17.0272



12.7427, 13.9244, 9.8729

Complementary

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



11.7137, 13.9244, 19.8396



12.0417, 10.6606, 7.7266

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.



13.8711, 13.9244, 9.9470



11.7137, 13.9244, 19.8396



15.4654, 13.9244, 13.7786

Square

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



11.7137, 13.9244, 19.8396



14.7808, 13.9244, 20.1629



14.8820, 13.9244, 11.2831



11.8004, 13.9244, 11.0638

Rectangle

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



11.7137, 13.9244, 19.8396



13.3584, 13.9244, 22.2650



14.8820, 13.9244, 11.2831



13.1118, 13.9244, 9.7564

Sweetspot

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



11.7141, 13.9249, 19.8399



27.4203, 30.0137, 35.6011



11.0026, 15.4650, 10.4680



6.4284, 7.0588, 8.4304



59.0181, 62.0916, 67.6177



7.4413, 7.8288, 8.5256

Same Dimension

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



11.7141, 13.9249, 19.8399



18.8586, 22.9541, 34.6897



9.5543, 9.6054, 19.1200



4.0382, 4.3746, 5.0747



8.1007, 10.2839, 20.9433



38.0069, 47.7864, 99.6903

Inverse Universe

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



12.9430, 9.8842, 15.9782



21.4075, 15.0179, 26.5803



14.0923, 14.7618, 8.4101



4.1197, 4.0636, 4.8281



10.6722, 5.2450, 12.0967



50.5873, 24.8912, 56.0159

Previews

White Background



This preview shows how the XYZ color 11.7137, 13.9244, 19.8396 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 11.7137, 13.9244, 19.8396 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 11.7137, 13.9244, 19.8396

Background



This preview shows how black text looks on a background with the XYZ color 11.7137, 13.9244, 19.8396.

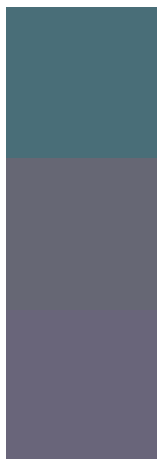


This preview shows how white text looks on a background with the XYZ color 11.7137, 13.9244,

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

11.7137, 13.9244, 19.8396

Protanopia

13.4821, 13.7862, 18.4734

Deuteranopia

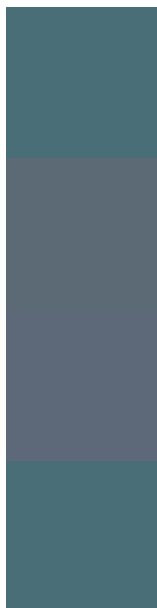
13.9922, 13.7158, 20.3223



Tritanopia

11.6534, 13.9002, 19.5216

Trichromacy



Original Color

11.7137, 13.9244, 19.8396

Protanomaly

12.6793, 13.8166, 18.8282

Deuteranomaly

12.9157, 13.6083, 20.0351

Tritanomaly

11.6534, 13.9002, 19.5216

Monochromacy



Original Color

11.7137, 13.9244, 19.8396

Achromatopsia

12.1130, 12.7438, 13.8780

Achromatomaly

11.8206, 13.1358, 15.8224

CSS Examples

Text

The CSS property to change the color of the text to XYZ 11.7137, 13.9244, 19.8396 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(73, 110, 120)` looks like.

```
.text, #text, p{  
    color:rgb(73, 110, 120)  
}
```

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(73, 110, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(73, 110, 120) }
```

Border

The CSS property to change the border of an element to XYZ 11.7137, 13.9244, 19.8396 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(73, 110, 120) }
```


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

```
.border{ border-color:rgb(73, 110, 120) }
```

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

Here you see how a box with a 4 pixel `rgb(73, 110, 120)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(73, 110, 120); -webkit-box-  
shadow:4px 4px 4px 4px rgb(73, 110, 120);  
box-shadow:4px 4px 4px 4px rgb(73, 110,  
120) }
```

Background

The CSS property to change the background color of an element to XYZ 11.7137, 13.9244, 19.8396 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(73, 110, 120) }
```

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

```
.background{ background-color: rgb(73, 110,  
120) }
```

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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