

Converting Colors

XYZ(11.7445, 14.0407, 20.0453)

Have a look what the booklet for
XYZ(11.7445, 14.0407, 20.0453)
contains.

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Color

**XYZ(11.8081, 14.1271,
20.1936)**

Conversions

Conversions Part 1

Format	Color
Hex	486F79
RGB	72, 111, 121
RGB Percent	28%, 44%, 47%
CMY	0.7176, 0.5647, 0.5255
CMYK	0.40, 0.08, 0.00, 0.53
HSL	192°, 25%, 38%
HSV	192°, 40%, 47%
XYZ	11.8081, 14.1271, 20.1936
YIQ	100.4790, -26.4540, -5.1580

Conversions

Conversions Part 2

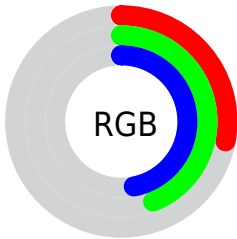
Format	Color
RYB	72, 94, 121
Decimal	4747129
CIELab	44.41, -10.92, -9.89
CIElCh	44, 14.734, 222.173
Yxy	14.1271, 0.2560, 0.3063
Android (android.graphics.Color)	4282937209 (0xFF486F79)
YUV	100.4790, 10.1169, -24.9761
Hunter-Lab	37.5860, -9.6977, -5.5441

Details

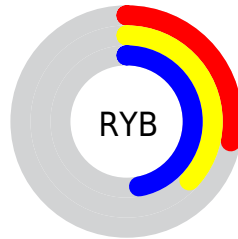
The XYZ color **11.8081, 14.1271, 20.1936** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **12.0723, 10.5675, 7.5346**, and the grayscale version is **12.2157, 12.8518, 13.9957**.

A 20% lighter version of the original color is **28.8084, 33.4225, 44.4680**, and **3.2781, 4.1935, 6.7675** is the 20% darker color. If you saturate the color by 10%, you get **10.7277, 13.1760, 20.0672**, and if you desaturate by 10%, it is **13.0744, 15.1857, 20.3314**.

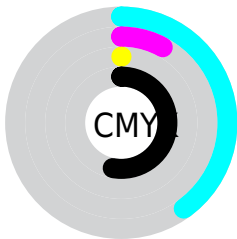
Distribution



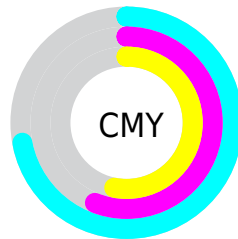
- Red (28%)
- Green (44%)
- Blue (47%)



- Red (28%)
- Yellow (37%)
- Blue (47%)



- Cyan (40%)
- Magenta (8%)
- Yellow (0%)
- Black (53%)



- Cyan (72%)
- Magenta (56%)
- Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 11.8081, 14.1271, 20.1936 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 11.8081, 14.1271, 20.1936 by changing the saturation by 10% instead.

■ 11.8081, 14.1271,
20.1936

■ 11.8081, 14.1271,
20.1936

196.9267,
218.0201, 265.6001

■ 6.6844, 8.2091,
12.3504

■ 28.7650, 33.3144,
44.6048

■ 3.3101, 4.2290,
6.8573

■ 41.3289, 47.3525,
62.0098

■ 1.3198, 1.8025,
3.2960

■ 57.1037, 64.8660,
83.4391

■ 0.1980, 0.4887,
1.2477

■ 76.4546, 86.2395,
109.3114

■ 0.0000, 0.0000,
0.0183

■ 99.7469, 111.8572,
140.0451

■ 0.0000, 0.0000,
0.0000

127.3462,

142.1037, 176.0587

159.6176,
177.3631, 217.7709

■ 11.8081, 14.1271,
20.1936

■ 11.8081, 14.1271,
20.1936

■ 10.7277, 13.1760,
20.0672

■ 13.0744, 15.1857,
20.3314

■ 9.8215, 12.3254,
19.9508

■ 14.5349, 16.3553,
20.4802

■ 9.0781, 11.5695,
19.8441

■ 16.1991, 17.6411,
20.6407

■ 8.4844, 10.9017,
19.7465

■ 18.0755, 19.0476,
20.8133

■ 8.0254, 10.3139,
19.6572

■ 20.1718, 20.5789,
20.9984

■ 7.6625, 9.8029,
19.5777

■ 22.4957, 22.2390,
21.1963

■ 25.0543, 24.0317,
21.4075

■ 27.8544, 25.9605,
21.6322

■ 30.9026, 28.0289,
21.8708

Harmonies

Analogous

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



11.3204, 14.1271, 16.7999



11.8081, 14.1271, 20.1936



12.7417, 14.1271, 22.4702

Triad

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



11.8081, 14.1271, 20.1936



15.7161, 14.1271, 17.4681



12.9525, 14.1271, 9.8430

Complementary

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



11.8081, 14.1271, 20.1936



12.0723, 10.5675, 7.5346

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.



14.1373, 14.1271, 9.9673



11.8081, 14.1271, 20.1936



15.7808, 14.1271, 14.0463

Square

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



11.8081, 14.1271, 20.1936



15.0164, 14.1271, 20.7444



15.1883, 14.1271, 11.4027



11.9546, 14.1271, 11.0339

Rectangle

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



11.8081, 14.1271, 20.1936



13.5140, 14.1271, 22.8700



15.1883, 14.1271, 11.4027



13.3411, 14.1271, 9.7379

Sweetspot

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



11.8085, 14.1277, 20.1939



28.4424, 31.1588, 36.9081



11.0255, 15.6589, 10.3844



6.4351, 7.0722, 8.4326



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.



11.8085, 14.1277, 20.1939



19.2585, 23.6382, 35.9405



9.5079, 9.5264, 19.4271



4.0409, 4.3802, 5.0757



8.2034, 10.4892, 20.9776



38.5140, 48.8006, 99.8593

Inverse Universe

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



13.0721, 9.8477, 16.2514



21.9398, 15.0712, 27.4590



14.2401, 14.9031, 8.2572



4.1211, 4.0642, 4.8355



10.7240, 5.2658, 12.3695



50.8432, 24.9936, 57.3638

Previews

White Background



This preview shows how the XYZ color 11.8081, 14.1271, 20.1936 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 11.8081, 14.1271, 20.1936 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 11.8081, 14.1271, 20.1936

Background



This preview shows how black text looks on a background with the XYZ color 11.8081, 14.1271, 20.1936.



This preview shows how white text looks on a background with the XYZ color 11.8081, 14.1271,

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

11.8081, 14.1271, 20.1936

Protanopia

13.6962, 14.0451, 18.5121

Deuteranopia

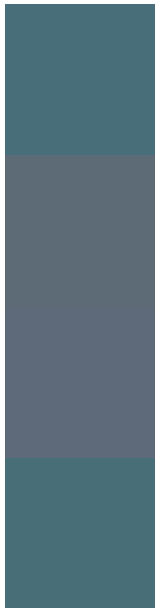
14.2704, 13.9970, 20.6884



Tritanopia

11.7471, 14.1027, 19.8722

Trichromacy



Original Color

11.8081, 14.1271, 20.1936

Protanomaly

12.9413, 14.0987, 19.1788

Deuteranomaly

13.1805, 13.8880, 20.3983

Tritanomaly

11.7471, 14.1027, 19.8722

Monochromacy



Original Color

11.8081, 14.1271, 20.1936

Achromatopsia

12.1130, 12.7438, 13.8780

Achromatomaly

11.8735, 13.1570, 16.1011

CSS Examples

Text

The CSS property to change the color of the text to XYZ 11.8081, 14.1271, 20.1936 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(72, 111, 121)` looks like.

```
.text, #text, p{  
    color:rgb(72, 111, 121)  
}
```

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(72, 111, 121) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(72, 111, 121) }
```

Border

The CSS property to change the border of an element to XYZ 11.8081, 14.1271, 20.1936 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(72, 111, 121) }
```


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

```
.border{ border-color:rgb(72, 111, 121) }
```

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

Here you see how a box with a 4 pixel `rgb(72, 111, 121)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(72, 111, 121); -webkit-box-  
shadow:4px 4px 4px 4px rgb(72, 111, 121);  
box-shadow:4px 4px 4px 4px rgb(72, 111,  
121) }
```

Background

The CSS property to change the background color of an element to XYZ 11.8081, 14.1271, 20.1936 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(72, 111, 121) }
```

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

```
.background{ background-color: rgb(72, 111,  
121) }
```

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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