

Converting Colors

XYZ(12.0169, 13.1644, 19.5230)

Have a look what the booklet for
XYZ(12.0169, 13.1644, 19.5230)
contains.

XYZ(11.9966, 13.1415, 19.6736)	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(11.9966, 13.1415,
19.6736)**

Conversions

Conversions Part 1

Format	Color
Hex	546878
RGB	84, 104, 120
RGB Percent	33%, 41%, 47%
CMY	0.6706, 0.5921, 0.5294
CMYK	0.30, 0.13, 0.00, 0.53
HSL	207°, 18%, 40%
HSV	207°, 30%, 47%
XYZ	11.9966, 13.1415, 19.6736
YIQ	99.8440, -17.0560, 0.7360

Conversions

Conversions Part 2

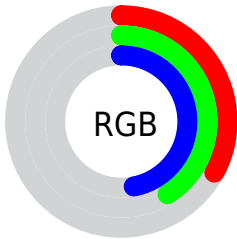
Format	Color
R_{YB}	84, 97, 120
Decimal	5531768
CIE _{Lab}	42.98, -3.40, -11.39
CIE _{LCh}	43, 11.881, 253.389
Yxy	13.1415, 0.2677, 0.2933
Android (android.graphics.Color)	4283721848 (0xFF546878)
YUV	99.8440, 9.9369, -13.8952
Hunter-Lab	36.2512, -4.3687, -6.8010

Details

The XYZ color **11.9966, 13.1415, 19.6736** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **13.9033, 13.7475, 10.3085**, and the grayscale version is **12.0523, 12.6799, 13.8085**.

A 20% lighter version of the original color is **28.9993, 31.4896, 43.5794**, and **3.3958, 3.7874, 6.6830** is the 20% darker color. If you saturate the color by 10%, you get **10.4933, 11.5950, 19.4545**, and if you desaturate by 10%, it is **13.7187, 14.8519, 19.9132**.

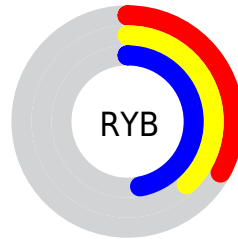
Distribution



Red (33%)

Green (41%)

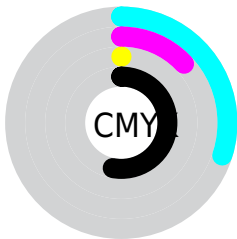
Blue (47%)



Red (33%)

Yellow (38%)

Blue (47%)

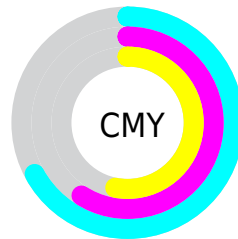


Cyan (30%)

Magenta (13%)

Yellow (0%)

Black (53%)



Cyan (67%)

Magenta (59%)

Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 11.9966, 13.1415, 19.6736 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 11.9966, 13.1415, 19.6736 by changing the saturation by 10% instead.

■ 11.9966, 13.1415,
19.6736

■ 11.9966, 13.1415,
19.6736

198.1532,
211.8225, 262.6881

■ 6.8135, 7.5261,
11.9763

■ 29.1058, 31.5578,
43.7210

■ 3.3911, 3.7932,
6.6052

■ 41.7627, 45.1274,
60.9082

■ 1.3638, 1.5586,
3.1418

■ 57.6416, 62.1172,
82.0958

■ 0.2302, 0.3294,
1.1675

■ 77.1078, 82.9115,
107.7023

■ 0.0000, 0.0000,
0.0000

■ 100.5267,
107.8948, 138.1462

128.2636,

137.4515, 173.8461

160.6840,
171.9660, 215.2206

■ 11.9966, 13.1415,
19.6736

■ 11.9966, 13.1415,
19.6736

■ 10.4933, 11.5950,
19.4545

■ 13.7187, 14.8519,
19.9132

■ 9.1977, 10.2046,
19.2545

■ 15.6677, 16.7302,
20.1730

■ 8.0992, 8.9645,
19.0730

■ 17.8527, 18.7824,
20.4540

■ 7.1859, 7.8674,
18.9094

■ 20.2821, 21.0137,
20.7566

■ 6.4445, 6.9054,
18.7628

■ 22.9637, 23.4288,
21.0814

■ 5.8595, 6.0696,
18.6323

■ 25.9050, 26.0325,
21.4290

■ 5.3779, 5.3314,
18.5152

■ 29.1131, 28.8292,
21.7997

■ 5.3779, 5.3314,
18.5152

■ 32.5948, 31.8233,
22.1941

■ 36.3570, 35.0189,
22.6126

Harmonies

Analogous

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



11.2606, 13.1415, 18.0384



11.9966, 13.1415, 19.6736



12.9006, 13.1415, 19.7640

Triad

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



11.9966, 13.1415, 19.6736



14.2730, 13.1415, 13.1785



11.3257, 13.1415, 10.9646

Complementary

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



11.9966, 13.1415, 19.6736



13.9033, 13.7475, 10.3085

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.



12.0894, 13.1415, 9.9630



11.9966, 13.1415, 19.6736



13.8070, 13.1415, 11.1324

Square

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



11.9966, 13.1415, 19.6736



14.2452, 13.1415, 15.7911



12.9980, 13.1415, 10.0205



10.8864, 13.1415, 12.9224

Rectangle

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



11.9966, 13.1415, 19.6736



13.4794, 13.1415, 18.9187



12.9980, 13.1415, 10.0205



11.5514, 13.1415, 10.5162

Sweetspot

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



11.9970, 13.1420, 19.6739



27.8405, 29.6952, 35.5175



12.6538, 16.2304, 14.4214



6.4932, 6.9379, 8.4036



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.



11.9970, 13.1420, 19.6739



19.2400, 21.2114, 34.3332



10.4064, 9.9608, 19.1437



3.9650, 4.2283, 5.0503



5.8526, 5.7876, 20.1939



27.0580, 25.8887, 96.0407

Inverse Universe

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



13.4151, 11.3335, 14.5778



22.2117, 17.6813, 23.5956



15.7776, 17.4963, 10.9333



4.0828, 4.0488, 4.6337



9.5374, 4.7911, 6.1211



45.0608, 22.6807, 26.9139

Previews

White Background



This preview shows how the XYZ color 11.9966, 13.1415, 19.6736 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 11.9966, 13.1415, 19.6736 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

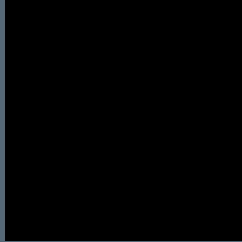
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

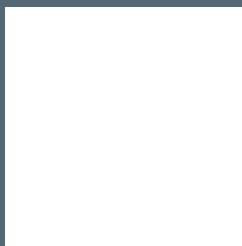
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 11.9966, 13.1415, 19.6736

Background



This preview shows how black text looks on a background with the XYZ color 11.9966, 13.1415, 19.6736.



This preview shows how white text looks on a background with the XYZ color 11.9966, 13.1415,

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

11.9966, 13.1415, 19.6736

Protanopia

12.8642, 13.0190, 18.9744

Deuteranopia

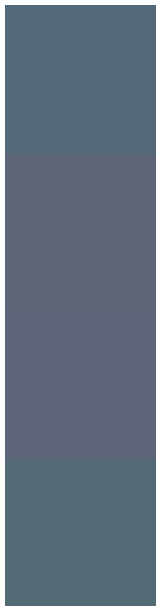
13.2799, 13.0709, 19.9122



Tritanopia

11.6561, 13.1571, 17.8448

Trichromacy



Original Color

11.9966, 13.1415, 19.6736

Protanomaly

12.4977, 12.9664, 19.2968

Deuteranomaly

12.8242, 13.1207, 19.9458

Tritanomaly

11.7712, 13.2031, 18.4510

Monochromacy



Original Color

11.9966, 13.1415, 19.6736

Achromatopsia

12.1130, 12.7438, 13.8780

Achromatomaly

11.9236, 12.7486, 15.7422

CSS Examples

Text

The CSS property to change the color of the text to XYZ 11.9966, 13.1415, 19.6736 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(84, 104, 120)` looks like.

```
.text, #text, p{  
    color:rgb(84, 104, 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(84, 104, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(84, 104, 120) }
```

Border

The CSS property to change the border of an element to XYZ 11.9966, 13.1415, 19.6736 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(84, 104, 120) }
```


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

```
.border{ border-color:rgb(84, 104, 120) }
```

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

Here you see how a box with a 4 pixel `rgb(84, 104, 120)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(84, 104, 120); -webkit-box-  
shadow:4px 4px 4px 4px rgb(84, 104, 120);  
box-shadow:4px 4px 4px 4px rgb(84, 104,  
120) }
```

Background

The CSS property to change the background color of an element to XYZ 11.9966, 13.1415, 19.6736 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(84, 104, 120) }
```

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

```
.background{ background-color: rgb(84, 104,  
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](#).

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