

Converting Colors

XYZ(13.3069, 13.4798, 19.5312)

Have a look what the booklet for
XYZ(13.3069, 13.4798, 19.5312)
contains.

XYZ(13.3971, 13.5681, 19.6821)	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(13.3971, 13.5681,
19.6821)**

Conversions

Conversions Part 1

Format	Color
Hex	646678
RGB	100, 102, 120
RGB Percent	39%, 40%, 47%
CMY	0.6078, 0.6000, 0.5294
CMYK	0.17, 0.15, 0.00, 0.53
HSL	234°, 9%, 43%
HSV	234°, 17%, 47%
XYZ	13.3971, 13.5681, 19.6821
YIQ	103.4540, -6.9700, 5.1740

Conversions

Conversions Part 2

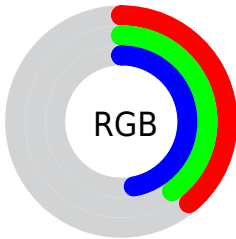
Format	Color
R_{YB}	100, 102, 120
Decimal	6579832
CIE Lab	43.61, 3.29, -10.31
CIE LCh	44, 10.824, 287.669
Yxy	13.5681, 0.2872, 0.2909
Android (android.graphics.Color)	4284769912 (0xFF646678)
YUV	103.4540, 8.1572, -3.0292
Hunter-Lab	36.8349, 0.4606, -5.8962

Details

The XYZ color **13.3971, 13.5681, 19.6821** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **16.5247, 17.8702, 14.6354**, and the grayscale version is **12.9931, 13.6698, 14.8864**.

A 20% lighter version of the original color is **31.6001, 32.3403, 43.6065**, and **4.0041, 3.9571, 6.6837** is the 20% darker color. If you saturate the color by 10%, you get **11.1733, 10.9477, 19.2937**, and if you desaturate by 10%, it is **15.9556, 16.5671, 20.1263**.

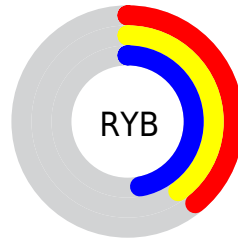
Distribution



Red (39%)

Green (40%)

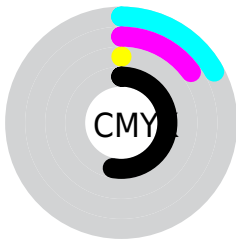
Blue (47%)



Red (39%)

Yellow (40%)

Blue (47%)

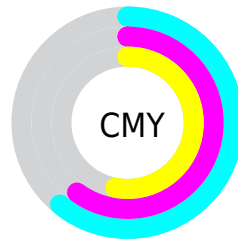


Cyan (17%)

Magenta (15%)

Yellow (0%)

Black (53%)



Cyan (61%)

Magenta (60%)

Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.3971, 13.5681, 19.6821 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 13.3971, 13.5681, 19.6821 by changing the saturation by 10% instead.

■ 13.3971, 13.5681,
19.6821

■ 13.3971, 13.5681,
19.6821

207.0338,
214.5271, 262.7360

■ 7.7814, 7.8209,
11.9824

■ 31.6107, 32.3207,
43.7355

■ 4.0060, 3.9806,
6.6093

■ 44.9392, 46.0949,
60.9263

■ 1.7056, 1.6627,
3.1443

■ 61.5695, 63.3135,
82.1178

■ 0.4597, 0.3993,
1.1688

■ 81.8669, 84.3610,
107.7287

■ 0.0000, 0.0000,
0.0000

106.1966,
109.6217, 138.1774

134.9241,

139.4800, 173.8825

168.4147,
174.3204, 215.2625

■ 13.3971, 13.5681,
19.6821

■ 13.3971, 13.5681,
19.6821

■ 11.1733, 10.9477,
19.2937

■ 15.9556, 16.5671,
20.1263

■ 9.2690, 8.6891,
18.9581

■ 18.8605, 19.9570,
20.6275

■ 7.6700, 6.7769,
18.6733

■ 22.1246, 23.7519,
21.1880

■ 6.3603, 5.1939,
18.4368

■ 25.7596, 27.9646,
21.8096

■ 5.3224, 3.9214,
18.2459

■ 29.7765, 32.6073,
22.4940

■ 4.5370, 2.9388,
18.0976

■ 34.1863, 37.6917,
23.2429

■ 3.9823, 2.2230,
17.9887

■ 38.9991, 43.2290,
24.0581

■ 3.6198, 1.7408,
17.9147

■ 44.2248, 49.2302,
24.9410

■ 3.5217, 1.6191,
17.8964

■ 49.8730, 55.7057,
25.8932

Harmonies

Analogous

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



12.5511, 13.5681, 19.8186



13.3971, 13.5681, 19.6821



14.1389, 13.5681, 18.1449

Triad

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



13.3971, 13.5681, 19.6821



14.0251, 13.5681, 11.5844



11.3685, 13.5681, 13.7988

Complementary

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



13.3971, 13.5681, 19.6821



16.5247, 17.8702, 14.6354

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.



11.7283, 13.5681, 11.8477



13.3971, 13.5681, 19.6821



13.2473, 13.5681, 10.6664

Square

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



13.3971, 13.5681, 19.6821



14.5122, 13.5681, 13.4014



12.4077, 13.5681, 10.7572



11.4046, 13.5681, 16.2358

Rectangle

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



13.3971, 13.5681, 19.6821



14.4632, 13.5681, 16.6188



12.4077, 13.5681, 10.7572



11.4465, 13.5681, 13.0698

Sweetspot

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



13.3975, 13.5687, 19.6824



28.8108, 30.0127, 35.5276



15.2226, 17.4426, 19.6006



6.7621, 7.0358, 8.4083



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.



13.3975, 13.5687, 19.6824



21.9994, 22.0246, 34.3448



14.0916, 13.6382, 19.6592



3.8269, 3.9522, 5.0043



3.8361, 1.7545, 19.5218



17.9951, 7.7628, 93.0197

Inverse Universe

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



14.7015, 14.0672, 14.5113



24.7531, 23.0957, 23.4209



15.7416, 17.8200, 14.6670



4.0131, 4.0210, 4.2666



8.5196, 4.3840, 0.7611



40.4862, 20.8508, 2.8246

Previews

White Background



This preview shows how the XYZ color 13.3971, 13.5681, 19.6821 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 13.3971, 13.5681, 19.6821 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 13.3971, 13.5681, 19.6821

Background



This preview shows how black text looks on a background with the XYZ color 13.3971, 13.5681, 19.6821.



This preview shows how white text looks on a background with the XYZ color 13.3971, 13.5681,

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

13.3971, 13.5681, 19.6821

Protanopia

13.3971, 13.5681, 19.6821

Deuteranopia

13.7730, 13.4737, 19.6441



Tritanopia

12.9205, 13.5230, 17.2585

Trichromacy



Original Color

13.3971, 13.5681, 19.6821

Protanomaly

13.3971, 13.5681, 19.6821

Deuteranomaly

13.6374, 13.5470, 19.6654

Tritanomaly

13.0903, 13.5909, 18.1530

Monochromacy



Original Color

13.3971, 13.5681, 19.6821

Achromatopsia

12.8919, 13.5633, 14.7705

Achromatomaly

13.0901, 13.6294, 16.4088

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.3971, 13.5681, 19.6821 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(100, 102, 120)` looks like.

```
.text, #text, p{  
    color:rgb(100, 102, 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(100, 102, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 102, 120) }
```

Border

The CSS property to change the border of an element to XYZ 13.3971, 13.5681, 19.6821 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(100, 102, 120) }
```


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

```
.border{ border-color:rgb(100, 102, 120) }
```

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

Here you see how a box with a 4 pixel `rgb(100, 102, 120)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 102, 120); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 102, 120);  
box-shadow:4px 4px 4px 4px rgb(100, 102,  
120) }
```

Background

The CSS property to change the background color of an element to XYZ 13.3971, 13.5681, 19.6821 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 102, 120) }
```

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

```
.background{ background-color: rgb(100,  
102, 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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