

Converting Colors

XYZ(12.9939, 13.3012, 15.7173)

Have a look what the booklet for
XYZ(12.9939, 13.3012, 15.7173)
contains.

XYZ(13.0164, 13.3120, 15.7933)	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(13.0164, 13.3120,
15.7933)**

Conversions

Conversions Part 1

Format	Color
Hex	68656B
RGB	104, 101, 107
RGB Percent	41%, 40%, 42%
CMY	0.5922, 0.6039, 0.5804
CMYK	0.03, 0.06, 0.00, 0.58
HSL	270°, 3%, 41%
HSV	270°, 6%, 42%
XYZ	13.0164, 13.3120, 15.7933
YIQ	102.5810, -0.1380, 2.5020

Conversions

Conversions Part 2

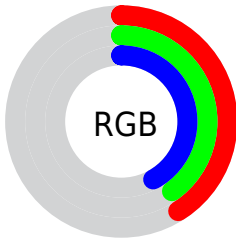
Format	Color
R_{YB}	104, 101, 107
Decimal	6841707
CIE _{Lab}	43.23, 2.42, -2.96
CIE _{LCh}	43, 3.828, 309.276
Yxy	13.3120, 0.3090, 0.3160
Android (android.graphics.Color)	4285031787 (0xFF68656B)
YUV	102.5810, 2.1786, 1.2445
Hunter-Lab	36.4856, -0.1692, -0.1246

Details

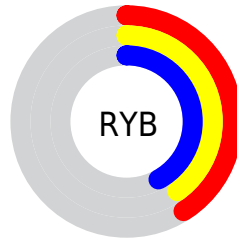
The XYZ color **13.0164, 13.3120, 15.7933** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **13.3162, 14.3984, 14.3900**, and the grayscale version is **12.7764, 13.4418, 14.6381**.

A 20% lighter version of the original color is **30.9174, 31.8937, 36.8743**, and **3.8221, 3.8344, 4.8136** is the 20% darker color. If you saturate the color by 10%, you get **11.4428, 11.0579, 15.4414**, and if you desaturate by 10%, it is **14.7655, 15.8581, 16.1928**.

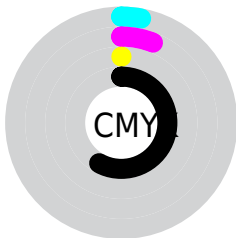
Distribution



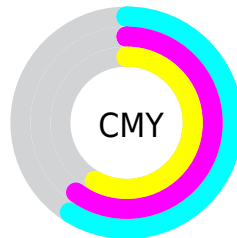
- Red (41%)
- Green (40%)
- Blue (42%)



- Red (41%)
- Yellow (40%)
- Blue (42%)



- Cyan (3%)
- Magenta (6%)
- Yellow (0%)
- Black (58%)



- Cyan (59%)
- Magenta (60%)
- Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.0164, 13.3120, 15.7933 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 13.0164, 13.3120, 15.7933 by changing the saturation by 10% instead.

■ 13.0164, 13.3120,
15.7933

■ 13.0164, 13.3120,
15.7933

204.6582,
212.9077, 239.9228

■ 7.5169, 7.6437,
9.2252

■ 30.9343, 31.8632,
37.0008

■ 3.8366, 3.8678,
4.7896

■ 44.0834, 45.5149,
52.4773

■ 1.6101, 1.5999,
2.0678

■ 60.5132, 62.5965,
71.7603

■ 0.3990, 0.3575,
0.5965

■ 80.5889, 83.4925,
95.2685

■ 0.0000, 0.0000,
0.0000

104.6758,
108.5872, 123.4202

133.1395,

138.2651, 156.6342

166.3452,
172.9104, 195.3289

■ 13.0164, 13.3120,
15.7933

■ 13.0164, 13.3120,
15.7933

■ 11.4428, 11.0579,
15.4414

■ 14.7655, 15.8581,
16.1928

■ 10.0376, 9.0834,
15.1343

■ 16.6947, 18.7048,
16.6405

■ 8.7950, 7.3777,
14.8706

■ 18.8095, 21.8622,
17.1385

■ 7.7082, 5.9285,
14.6481

■ 21.1151, 25.3396,
17.6882

■ 6.7702, 4.7226,
14.4648

■ 23.6165, 29.1458,
18.2911

■ 5.9730, 3.7456,
14.3182

■ 26.3183, 33.2894,
18.9484

■ 5.3081, 2.9816,
14.2058

■ 29.2251, 37.7785,
19.6617

■ 4.7658, 2.4124,
14.1245

■ 32.3413, 42.6210,
20.4322

■ 4.3259, 1.9993,
14.0680

■ 35.6712, 47.8246,
21.2611

Harmonies

Analogous

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



12.7446, 13.3120, 16.1635



13.0164, 13.3120, 15.7933



13.1925, 13.3120, 15.0790

Triad

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



13.0164, 13.3120, 15.7933



12.8551, 13.3120, 13.0228



12.0992, 13.3120, 14.7588

Complementary

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



13.0164, 13.3120, 15.7933



13.3162, 14.3984, 14.3900

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.



12.1278, 13.3120, 13.9253



13.0164, 13.3120, 15.7933



12.5611, 13.3120, 12.9446

Square

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



13.0164, 13.3120, 15.7933



13.0984, 13.3120, 13.4869



12.2958, 13.3120, 13.2689



12.2172, 13.3120, 15.5511

Rectangle

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



13.0164, 13.3120, 15.7933



13.2304, 13.3120, 14.5151



12.2958, 13.3120, 13.2689



12.0920, 13.3120, 14.4739

Sweetspot

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



13.0168, 13.3126, 15.7936



24.3830, 25.3947, 28.5243



12.9816, 13.7496, 15.8798



5.9142, 6.1646, 6.9069



54.2243, 57.0482, 62.1254



6.0569, 6.3724, 6.9395

Same Dimension

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



13.0168, 13.3126, 15.7936



22.8386, 23.1604, 28.1744



13.3593, 13.4891, 15.8096



3.1506, 3.1955, 3.8856



5.0096, 2.2096, 17.0847



24.5240, 10.7422, 87.0071

Inverse Universe

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



13.2163, 13.4333, 14.9939



23.2951, 23.4367, 26.3448



12.9852, 14.2278, 14.3746



3.2134, 3.2335, 3.6342



8.1577, 4.1152, 4.4590



41.1284, 20.7933, 20.4106

Previews

White Background



This preview shows how the XYZ color 13.0164, 13.3120, 15.7933 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 13.0164, 13.3120, 15.7933 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

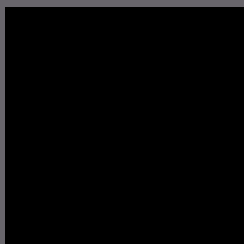
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 13.0164, 13.3120, 15.7933

Background



This preview shows how black text looks on a background with the XYZ color 13.0164, 13.3120, 15.7933.



This preview shows how white text looks on a background with the XYZ color 13.0164, 13.3120,

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

13.0164, 13.3120, 15.7933

Protanopia

12.7870, 13.1937, 15.7826

Deuteranopia

13.5461, 13.3002, 15.7632



Tritanopia

13.1229, 13.3545, 16.3540

Trichromacy



Original Color

13.0164, 13.3120, 15.7933

Protanomaly

12.9010, 13.2525, 15.7879

Deuteranomaly

13.3954, 13.3640, 15.7834

Tritanomaly

13.0694, 13.3331, 16.0721

Monochromacy



Original Color

13.0164, 13.3120, 15.7933

Achromatopsia

12.8919, 13.5633, 14.7705

Achromatomaly

12.8436, 13.3858, 15.0035

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.0164, 13.3120, 15.7933 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(104, 101, 107)` looks like.

```
.text, #text, p{  
    color:rgb(104, 101, 107)  
}
```

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(104, 101, 107) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(104, 101, 107) }
```

Border

The CSS property to change the border of an element to XYZ 13.0164, 13.3120, 15.7933 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(104, 101, 107) }
```


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

```
.border{ border-color:rgb(104, 101, 107) }
```

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

Here you see how a box with a 4 pixel `rgb(104, 101, 107)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(104, 101, 107); -webkit-box-  
shadow:4px 4px 4px 4px rgb(104, 101, 107);  
box-shadow:4px 4px 4px 4px rgb(104, 101,  
107) }
```

Background

The CSS property to change the background color of an element to XYZ 13.0164, 13.3120, 15.7933 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(104, 101, 107) }
```

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

```
.background{ background-color: rgb(104,  
101, 107) }
```

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