

Converting Colors

XYZ(10.7786, 13.2848, 16.3153)

Have a look what the booklet for
XYZ(10.7786, 13.2848, 16.3153)
contains.

XYZ(10.7739, 13.3596, 16.1982)	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(10.7739, 13.3596,
16.1982)**

Conversions

Conversions Part 1

Format	Color
Hex	476D6C
RGB	71, 109, 108
RGB Percent	28%, 43%, 42%
CMY	0.7216, 0.5725, 0.5765
CMYK	0.35, 0.00, 0.01, 0.57
HSL	178°, 21%, 35%
HSV	178°, 35%, 43%
XYZ	10.7739, 13.3596, 16.1982
YIQ	97.5240, -22.3270, -8.3670

Conversions

Conversions Part 2

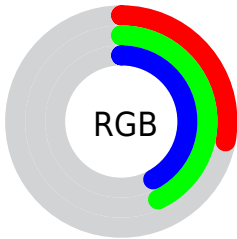
Format	Color
RYB	71, 90, 109
Decimal	4681068
CIELab	43.30, -13.62, -3.73
CIELCh	43, 14.125, 195.321
Yxy	13.3596, 0.2671, 0.3312
Android (android.graphics.Color)	4282871148 (0xFF476D6C)
YUV	97.5240, 5.1647, -23.2615
Hunter-Lab	36.5508, -11.3483, -0.6900

Details

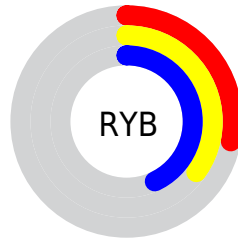
The XYZ color **10.7739, 13.3596, 16.1982** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **9.7300, 8.2258, 7.2062**, and the grayscale version is **11.4833, 12.0813, 13.1565**.

A 20% lighter version of the original color is **26.8880, 32.0579, 37.5715**, and **2.8644, 3.8566, 5.0083** is the 20% darker color. If you saturate the color by 10%, you get **10.0300, 12.9782, 16.0840**, and if you desaturate by 10%, it is **11.6621, 13.8160, 16.3200**.

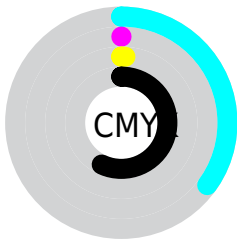
Distribution



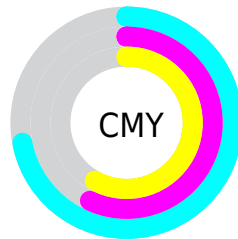
- Red (28%)
- Green (43%)
- Blue (42%)



- Red (28%)
- Yellow (35%)
- Blue (43%)



- Cyan (35%)
- Magenta (0%)
- Yellow (1%)
- Black (57%)



- Cyan (72%)
- Magenta (57%)
- Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 10.7739, 13.3596, 16.1982 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 10.7739, 13.3596, 16.1982 by changing the saturation by 10% instead.

10.7739, 13.3596,
16.1982

10.7739, 13.3596,
16.1982

190.0502,
213.2096, 242.3939

5.9812, 7.6766,
9.5086

26.8780, 31.9483,
37.7135

2.8742, 3.8887,
4.9731

38.9200, 45.6229,
53.3764

1.0876, 1.6115,
2.1730

54.1093, 62.7301,
72.8674

0.0147, 0.3653,
0.6587

72.8110, 83.6543,
96.6051

0.0000, 0.0000,
0.0000

95.3906, 108.7800,
125.0081

122.2135,

138.4915, 158.4948

153.6449,
173.1732, 197.4840

■ 10.7739, 13.3596,
16.1982

■ 10.7739, 13.3596,
16.1982

■ 10.0300, 12.9782,
16.0840

■ 11.6621, 13.8160,
16.3200

■ 9.4215, 12.6663,
15.9761

■ 12.7005, 14.3496,
16.4488

■ 8.9405, 12.4200,
15.8744

■ 13.8961, 14.9642,
16.5852

■ 8.5776, 12.2347,
15.7785

■ 15.2552, 15.6630,
16.7296

■ 8.3222, 12.1048,
15.6879

■ 16.7837, 16.4492,
16.8821

■ 8.1550, 12.0203,
15.6017

■ 18.4871, 17.3256,
17.0431

■ 8.0772, 11.9811,
15.5579

■ 20.3709, 18.2949,
17.2128

■ 22.4401, 19.3598,
17.3914

■ 24.6996, 20.5228,
17.5792

Harmonies

Analogous

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



10.7684, 13.3596, 13.0715



10.7739, 13.3596, 16.1982



11.2745, 13.3596, 19.2681

Triad

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



10.7739, 13.3596, 16.1982



14.2543, 13.3596, 19.2105



13.2388, 13.3596, 9.4590

Complementary

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



10.7739, 13.3596, 16.1982



9.7300, 8.2258, 7.2062

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.



14.2363, 13.3596, 10.6668



10.7739, 13.3596, 16.1982



14.8451, 13.3596, 16.1281

Square

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



10.7739, 13.3596, 16.1982



13.2623, 13.3596, 21.1701



14.8383, 13.3596, 13.0108



12.1497, 13.3596, 9.4721

Rectangle

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



10.7739, 13.3596, 16.1982



11.8391, 13.3596, 20.7410



14.8383, 13.3596, 13.0108



13.5973, 13.3596, 9.7271

Sweetspot

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



10.7743, 13.3601, 16.1985



23.6873, 26.1803, 29.5631



9.2987, 12.7807, 7.9382



5.4609, 6.0659, 6.8736



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.



10.7743, 13.3601, 16.1985



18.1683, 23.3456, 28.8336



9.1231, 9.9719, 15.9126



3.1785, 3.4906, 3.9239



9.4455, 14.0123, 18.1887



48.0758, 71.3774, 92.4010

Inverse Universe

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



9.7300, 8.2258, 7.2062



15.9890, 12.6279, 10.0655



10.9947, 10.8070, 7.4678



3.1027, 3.1180, 3.2711



7.3934, 3.8095, 0.4344



37.6218, 19.3907, 1.9451

Previews

White Background



This preview shows how the XYZ color 10.7739, 13.3596, 16.1982 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 10.7739, 13.3596, 16.1982 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 10.7739, 13.3596, 16.1982

Background



This preview shows how black text looks on a background with the XYZ color 10.7739, 13.3596, 16.1982.



This preview shows how white text looks on a background with the XYZ color 10.7739, 13.3596,

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

10.7739, 13.3596, 16.1982

Protanopia

12.6954, 13.1702, 14.7049

Deuteranopia

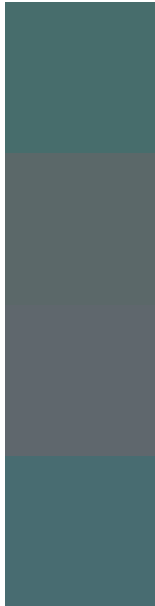
13.4607, 13.2376, 16.5975



Tritanopia

11.2626, 13.4025, 18.5163

Trichromacy



Original Color

10.7739, 13.3596, 16.1982

Protanomaly

11.8145, 13.1447, 15.2791

Deuteranomaly

12.3299, 13.2375, 16.3732

Tritanomaly

11.0157, 13.2951, 17.6084

Monochromacy



Original Color

10.7739, 13.3596, 16.1982

Achromatopsia

11.6093, 12.2139, 13.3009

Achromatomaly

11.1741, 12.5368, 14.4013

CSS Examples

Text

The CSS property to change the color of the text to XYZ 10.7739, 13.3596, 16.1982 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(71, 109, 108)` looks like.

```
.text, #text, p{  
    color:rgb(71, 109, 108)  
}
```

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(71, 109, 108) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(71, 109, 108) }
```

Border

The CSS property to change the border of an element to XYZ 10.7739, 13.3596, 16.1982 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(71, 109, 108) }
```


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

```
.border{ border-color:rgb(71, 109, 108) }
```

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

Here you see how a box with a 4 pixel `rgb(71, 109, 108)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(71, 109, 108); -webkit-box-  
shadow:4px 4px 4px 4px rgb(71, 109, 108);  
box-shadow:4px 4px 4px 4px rgb(71, 109,  
108) }
```

Background

The CSS property to change the background color of an element to XYZ 10.7739, 13.3596, 16.1982 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(71, 109, 108) }
```

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

```
.background{ background-color: rgb(71, 109,  
108) }
```

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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