

Converting Colors

XYZ(13.6476, 18.0197, 23.1826)

Have a look what the booklet for
XYZ(13.6476, 18.0197, 23.1826)
contains.

XYZ(13.6654, 18.0536, 23.1865)	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(13.6654, 18.0536,
23.1865)**

Conversions

Conversions Part 1

Format	Color
Hex	3F8080
RGB	63, 128, 128
RGB Percent	25%, 50%, 50%
CMY	0.7529, 0.4980, 0.4980
CMYK	0.51, 0.00, 0.00, 0.50
HSL	180°, 34%, 37%
HSV	180°, 51%, 50%
XYZ	13.6654, 18.0536, 23.1865
YIQ	108.5650, -38.7400, -13.7800

Conversions

Conversions Part 2

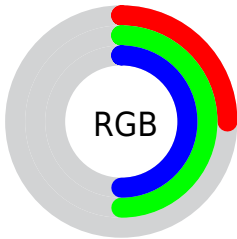
Format	Color
R _{YB}	63, 96, 128
Decimal	4161664
CIE Lab	49.56, -20.65, -6.40
CIE LCh	50, 21.621, 197.207
Yxy	18.0536, 0.2489, 0.3288
Android (android.graphics.Color)	4282351744 (0xFF3F8080)
YUV	108.5650, 9.5815, -39.9605
Hunter-Lab	42.4895, -16.9478, -2.6118

Details

The XYZ color **13.6654, 18.0536, 23.1865** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **11.5775, 8.5038, 5.7346**, and the grayscale version is **14.3950, 15.1446, 16.4925**.

A 20% lighter version of the original color is **32.0668, 40.0969, 49.7654**, and **4.1357, 6.0133, 8.3398** is the 20% darker color. If you saturate the color by 10%, you get **12.9412, 17.6807, 23.1529**, and if you desaturate by 10%, it is **14.5808, 18.5259, 23.2298**.

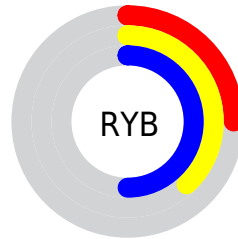
Distribution



Red (25%)

Green (50%)

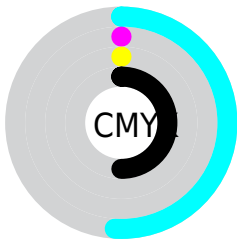
Blue (50%)



Red (25%)

Yellow (38%)

Blue (50%)

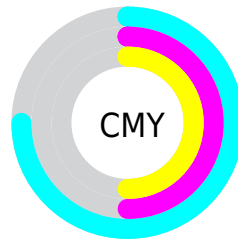


Cyan (51%)

Magenta (0%)

Yellow (0%)

Black (50%)



Cyan (75%)

Magenta (50%)

Yellow (50%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.6654, 18.0536, 23.1865 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 13.6654, 18.0536, 23.1865 by changing the saturation by 10% instead.

■ 13.6654, 18.0536,
23.1865

■ 13.6654, 18.0536,
23.1865

208.6918,
241.1730, 281.8344

■ 7.9685, 10.9885,
14.5247

■ 32.0854, 40.1286,
49.6264

■ 4.1264, 6.0591,
8.3436

■ 45.5391, 55.9073,
68.2417

■ 1.7739, 2.8810,
4.2247

■ 62.3092, 75.3594,
91.0118

■ 0.5019, 1.0699,
1.7494

■ 82.7610, 98.8691,
118.3553

■ 0.0000, 0.0000,
0.3943

■ 107.2597,
126.8209, 150.6908

■ 0.0000, 0.0000,
0.0000

136.1709,

159.5992, 188.4367

169.8598,
197.5885, 232.0118

■ 13.6654, 18.0536,
23.1865

■ 13.6654, 18.0536,
23.1865

■ 12.9412, 17.6807,
23.1529

■ 14.5808, 18.5259,
23.2298

■ 12.3933, 17.3982,
23.1272

■ 15.6978, 19.1017,
23.2822

■ 12.0069, 17.1991,
23.1091

■ 17.0281, 19.7875,
23.3445

■ 11.7646, 17.0741,
23.0976

■ 18.5820, 20.5886,
23.4173

■ 11.6157, 16.9974,
23.0906

■ 20.3690, 21.5099,
23.5010

■ 22.3983, 22.5560,
23.5961

■ 24.6784, 23.7314,
23.7028

■ 27.2175, 25.0404,
23.8217

■ 30.0233, 26.4868,
23.9531

Harmonies

Analogous

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



13.5981, 18.0536, 17.2639



13.6654, 18.0536, 23.1865



14.6204, 18.0536, 29.1506

Triad

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



13.6654, 18.0536, 23.1865



20.2149, 18.0536, 28.3590



18.0464, 18.0536, 10.5817

Complementary

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



13.6654, 18.0536, 23.1865



11.5775, 8.5038, 5.7346

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.



19.9765, 18.0536, 12.4875



13.6654, 18.0536, 23.1865



21.2939, 18.0536, 22.2622

Square

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



13.6654, 18.0536, 23.1865



18.3511, 18.0536, 32.5208



21.2033, 18.0536, 16.5057



16.0205, 18.0536, 10.7312

Rectangle

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



13.6654, 18.0536, 23.1865



15.6784, 18.0536, 31.9977



21.2033, 18.0536, 16.5057



18.7309, 18.0536, 10.9843

Sweetspot

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



13.6659, 18.0543, 23.1869



31.4162, 35.5785, 41.1676



10.7368, 16.8907, 7.3976



7.2425, 8.2717, 9.6332



62.3462, 65.5931, 71.4309



8.4577, 8.8982, 9.6901

Same Dimension

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



13.6659, 18.0543, 23.1869



22.6070, 31.0372, 40.7547



10.1832, 11.0886, 22.0264



4.4464, 4.8869, 5.5222



11.5174, 16.8535, 22.8952



0.0000, 0.0000, 0.0000

Inverse Universe

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



11.5775, 8.5038, 5.7346



18.4872, 12.1972, 6.3271



13.8398, 13.0286, 6.4886



4.3278, 4.3443, 4.5306



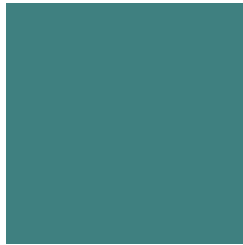
8.8271, 4.5505, 0.4132



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 13.6654, 18.0536, 23.1865 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 13.6654, 18.0536, 23.1865 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

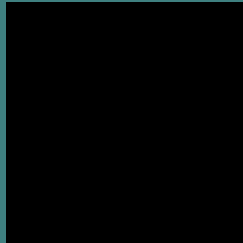
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 13.6654, 18.0536, 23.1865

Background



This preview shows how black text looks on a background with the XYZ color 13.6654, 18.0536, 23.1865.



This preview shows how white text looks on a background with the XYZ color 13.6654, 18.0536,

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

13.6654, 18.0536, 23.1865

Protanopia

17.2837, 17.9546, 20.6438

Deuteranopia

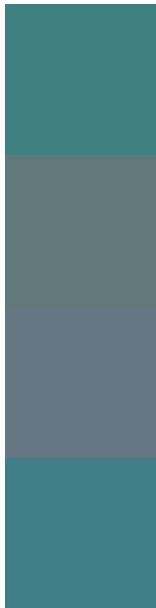
18.1401, 17.8109, 23.9545



Tritanopia

14.3515, 18.1431, 26.4125

Trichromacy



Original Color

13.6654, 18.0536, 23.1865

Protanomaly

15.5125, 17.7267, 21.6728

Deuteranomaly

15.9929, 17.5721, 23.6679

Tritanomaly

14.0724, 18.0238, 25.2915

Monochromacy



Original Color

13.6654, 18.0536, 23.1865

Achromatopsia

14.5356, 15.2926, 16.6537

Achromatomaly

13.8114, 16.0270, 18.8886

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.6654, 18.0536, 23.1865 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(63, 128, 128)` looks like.

```
.text, #text, p{  
    color:rgb(63, 128, 128)  
}
```

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(63, 128, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(63, 128, 128) }
```

Border

The CSS property to change the border of an element to XYZ 13.6654, 18.0536, 23.1865 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(63, 128, 128) }
```


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

```
.border{ border-color:rgb(63, 128, 128) }
```

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

Here you see how a box with a 4 pixel `rgb(63, 128, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(63, 128, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(63, 128, 128);  
box-shadow:4px 4px 4px 4px rgb(63, 128,  
128) }
```

Background

The CSS property to change the background color of an element to XYZ 13.6654, 18.0536, 23.1865 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(63, 128, 128) }
```

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

```
.background{ background-color: rgb(63, 128,  
128) }
```

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