

Converting Colors

XYZ(13.7657, 18.2501, 23.6791)

Have a look what the booklet for
XYZ(13.7657, 18.2501, 23.6791)
contains.

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Color

**XYZ(13.7993, 18.3096,
23.5757)**

Conversions

Conversions Part 1

Format	Color
Hex	3E8181
RGB	62, 129, 129
RGB Percent	24%, 51%, 51%
CMY	0.7569, 0.4941, 0.4941
CMYK	0.52, 0.00, 0.00, 0.49
HSL	180°, 35%, 37%
HSV	180°, 52%, 51%
XYZ	13.7993, 18.3096, 23.5757
YIQ	108.9670, -39.9320, -14.2040

Conversions

Conversions Part 2

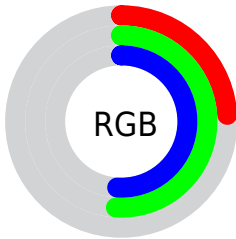
Format	Color
RYB	62, 96, 129
Decimal	4096385
CIELab	49.87, -21.13, -6.53
CIELCh	50, 22.115, 197.170
Yxy	18.3096, 0.2478, 0.3288
Android (android.graphics.Color)	4282286465 (0xFF3E8181)
YUV	108.9670, 9.8763, -41.1901
Hunter-Lab	42.7897, -17.3174, -2.7140




Details

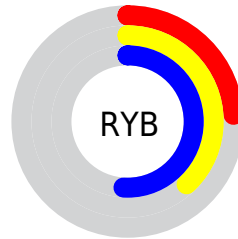
The XYZ color **13.7993, 18.3096, 23.5757** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **11.6460, 8.4607, 5.5773**, and the grayscale version is **14.5079, 15.2635, 16.6219**.




A 20% lighter version of the original color is **32.3739, 40.5463, 50.3759**, and **4.2439, 6.1712, 8.5569** is the 20% darker color. If you saturate the color by 10%, you get **13.0846, 17.9416, 23.5426**, and if you desaturate by 10%, it is **14.7072, 18.7780, 23.6187**.

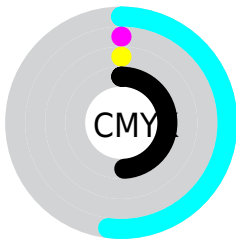
Distribution







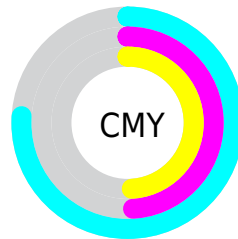
-  Red (24%)
-  Green (51%)
-  Blue (51%)






-  Red (24%)
-  Yellow (38%)
-  Blue (51%)



-  Cyan (52%)
-  Magenta (0%)
-  Yellow (0%)
-  Black (49%)



-  Cyan (76%)
-  Magenta (49%)
-  Yellow (49%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.7993, 18.3096, 23.5757 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 13.7993, 18.3096, 23.5757 by changing the saturation by 10% instead.

■ 13.7993, 18.3096,
23.5757

■ 13.7993, 18.3096,
23.5757

209.5144,
242.6104, 283.8854

■ 8.0620, 11.1725,
14.8099

■ 32.3217, 40.5642,
50.2720

■ 4.1868, 6.1830,
8.5409

■ 45.8376, 56.4504,
69.0396

■ 1.8083, 2.9567,
4.3503

■ 62.6769, 76.0219,
91.9783

■ 0.5227, 1.1091,
1.8194

■ 83.2052, 99.6628,
119.5064

■ 0.0000, 0.0000,
0.4407

■ 107.7877,
127.7578, 152.0427

■ 0.0000, 0.0000,
0.0000

136.7898,

160.6911, 190.0056

170.5769,
198.8472, 233.8136

■ 13.7993, 18.3096,
23.5757

■ 13.7993, 18.3096,
23.5757

■ 13.0846, 17.9416,
23.5426

■ 14.7072, 18.7780,
23.6187

■ 12.5477, 17.6648,
23.5174

■ 15.8190, 19.3512,
23.6708

■ 12.1733, 17.4718,
23.4998

■ 17.1468, 20.0357,
23.7330

■ 11.9432, 17.3532,
23.4889

■ 18.7011, 20.8370,
23.8058

■ 11.8130, 17.2860,
23.4828

■ 20.4918, 21.7601,
23.8897

■ 22.5282, 22.8100,
23.9851

■ 24.8191, 23.9909,
24.0924

■ 27.3728, 25.3074,
24.2119

■ 30.1974, 26.7635,
24.3442

Harmonies

Analogous

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



13.7311, 18.3096, 17.4601



13.7993, 18.3096, 23.5757



14.7819, 18.3096, 29.7553

Triad

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



13.7993, 18.3096, 23.5757



20.5587, 18.3096, 28.9481



18.3215, 18.3096, 10.5999

Complementary

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



13.7993, 18.3096, 23.5757



11.6460, 8.4607, 5.5773

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.



20.3163, 18.3096, 12.5564



13.7993, 18.3096, 23.5757



21.6766, 18.3096, 22.6357

Square

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



13.7993, 18.3096, 23.5757



18.6311, 18.3096, 33.2623



21.5845, 18.3096, 16.6917



16.2296, 18.3096, 10.7504

Rectangle

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



13.7993, 18.3096, 23.5757



15.8721, 18.3096, 32.7121



21.5845, 18.3096, 16.6917



19.0287, 18.3096, 11.0131

Sweetspot

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



13.7998, 18.3103, 23.5761



32.2018, 36.6499, 42.5692



10.7777, 17.1096, 7.2923



7.1833, 8.2412, 9.6304



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.



13.7998, 18.3103, 23.5761



23.2652, 32.0429, 42.1503



10.1890, 11.0885, 22.3729



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.



11.6460, 8.4607, 5.5773



18.9674, 12.3891, 6.2355



13.9603, 13.0893, 6.3486



4.3278, 4.3443, 4.5306



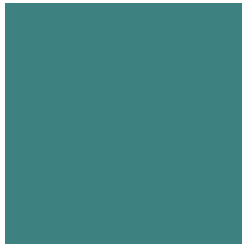
8.8271, 4.5505, 0.4132



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 13.7993, 18.3096, 23.5757 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 13.7993, 18.3096, 23.5757 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

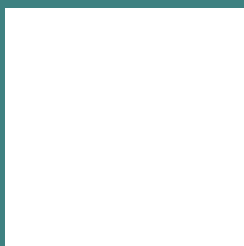
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 13.7993, 18.3096, 23.5757

Background



This preview shows how black text looks on a background with the XYZ color 13.7993, 18.3096, 23.5757.



This preview shows how white text looks on a background with the XYZ color 13.7993, 18.3096,

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

13.7993, 18.3096, 23.5757

Protanopia

17.4819, 18.0497, 20.9749

Deuteranopia

18.4640, 18.1384, 24.3577



Tritanopia

14.4866, 18.3971, 26.8322

Trichromacy



Original Color

13.7993, 18.3096, 23.5757

Protanomaly

15.5760, 17.7521, 22.0076

Deuteranomaly

16.1800, 17.8383, 24.0631

Tritanomaly

14.2067, 18.2776, 25.7008

Monochromacy



Original Color

13.7993, 18.3096, 23.5757

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 13.7993, 18.3096, 23.5757 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(62, 129, 129)` looks like.

```
.text, #text, p{  
    color:rgb(62, 129, 129)  
}
```

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(62, 129, 129) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(62, 129, 129) }
```

Border

The CSS property to change the border of an element to XYZ 13.7993, 18.3096, 23.5757 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(62, 129, 129) }
```


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

```
.border{ border-color:rgb(62, 129, 129) }
```

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

Here you see how a box with a 4 pixel `rgb(62, 129, 129)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(62, 129, 129); -webkit-box-  
shadow:4px 4px 4px 4px rgb(62, 129, 129);  
box-shadow:4px 4px 4px 4px rgb(62, 129,  
129) }
```

Background

The CSS property to change the background color of an element to XYZ 13.7993, 18.3096, 23.5757 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(62, 129, 129) }
```

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

```
.background{ background-color: rgb(62, 129,  
129) }
```

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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