

Converting Colors

XYZ(13.8243, 16.3359, 20.1461)

Have a look what the booklet for
XYZ(13.8243, 16.3359, 20.1461)
contains.

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Color

**XYZ(13.7991, 16.3392,
20.1958)**

Conversions

Conversions Part 1

Format	Color
Hex	577678
RGB	87, 118, 120
RGB Percent	34%, 46%, 47%
CMY	0.6588, 0.5372, 0.5294
CMYK	0.27, 0.02, 0.00, 0.53
HSL	184°, 16%, 41%
HSV	184°, 27%, 47%
XYZ	13.7991, 16.3392, 20.1958
YIQ	108.9590, -19.1180, -5.9500

Conversions

Conversions Part 2

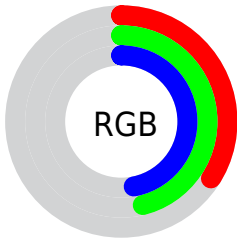
Format	Color
RYB	87, 103, 120
Decimal	5731960
CIELab	47.42, -10.56, -4.72
CIELCh	47, 11.565, 204.091
Yxy	16.3392, 0.2742, 0.3246
Android (android.graphics.Color)	4283922040 (0xFF577678)
YUV	108.9590, 5.4432, -19.2580
Hunter-Lab	40.4218, -9.8022, -1.3276

Details

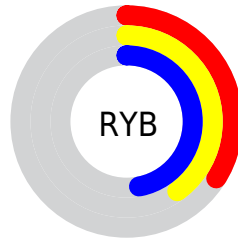
The XYZ color **13.7991, 16.3392, 20.1958** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **13.0386, 11.8260, 10.6126**, and the grayscale version is **14.5135, 15.2694, 16.6284**.

A 20% lighter version of the original color is **32.3024, 37.1313, 44.4943**, and **4.2349, 5.2993, 6.9306** is the 20% darker color. If you saturate the color by 10%, you get **12.6855, 15.6390, 20.1196**, and if you desaturate by 10%, it is **15.1006, 17.1381, 20.2817**.

Distribution



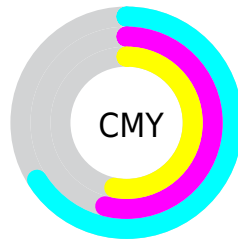
- Red (34%)
- Green (46%)
- Blue (47%)



- Red (34%)
- Yellow (40%)
- Blue (47%)



- Cyan (27%)
- Magenta (2%)
- Yellow (0%)
- Black (53%)



- Cyan (66%)
- Magenta (54%)
- Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.7991, 16.3392, 20.1958 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 13.7991, 16.3392, 20.1958 by changing the saturation by 10% instead.

■ 13.7991, 16.3392,
20.1958

■ 13.7991, 16.3392,
20.1958

209.5131,
231.3350, 265.6123

■ 8.0618, 9.7645,
12.3520

■ 32.3214, 37.1861,
44.6085

■ 4.1867, 5.2431,
6.8584

■ 45.8371, 52.2270,
62.0144

■ 1.8083, 2.3906,
3.2966

■ 62.6764, 70.8589,
83.4448

■ 0.5227, 0.8210,
1.2480

■ 83.2045, 93.4660,
109.3182

■ 0.0000, 0.0000,
0.0186

■ 107.7869,
120.4328, 140.0531

■ 0.0000, 0.0000,
0.0000

136.7889,

152.1436, 176.0680

170.5759,
188.9829, 217.7816

■ 13.7991, 16.3392,
20.1958

■ 13.7991, 16.3392,
20.1958

■ 12.6855, 15.6390,
20.1196

■ 15.1006, 17.1381,
20.2817

■ 11.7491, 15.0307,
20.0515

■ 16.5972, 18.0381,
20.3765

■ 10.9805, 14.5098,
19.9915

■ 18.2973, 19.0441,
20.4811

■ 10.3686, 14.0707,
19.9390

■ 20.2086, 20.1599,
20.5957

■ 9.9013, 13.7072,
19.8935

■ 22.3381, 21.3892,
20.7208

■ 9.5643, 13.4117,
19.8542

■ 24.6929, 22.7356,
20.8565

■ 9.3235, 13.1669,
19.8196

■ 27.2794, 24.2024,
21.0033

■ 9.2657, 13.1070,
19.8111

■ 30.1038, 25.7929,
21.1615

■ 33.1724, 27.5103,
21.3312

Harmonies

Analogous

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



13.6506, 16.3392, 17.2158



13.7991, 16.3392, 20.1958



14.4023, 16.3392, 22.7658

Triad

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



13.7991, 16.3392, 20.1958



17.1818, 16.3392, 21.3111



15.7337, 16.3392, 12.7455

Complementary

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



13.7991, 16.3392, 20.1958



13.0386, 11.8260, 10.6126

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.



16.7149, 16.3392, 13.5989



13.7991, 16.3392, 20.1958



17.5742, 16.3392, 18.3781

Square

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



13.7991, 16.3392, 20.1958



16.3485, 16.3392, 23.4576



17.3997, 16.3392, 15.5844



14.7391, 16.3392, 13.1188

Rectangle

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



13.7991, 16.3392, 20.1958



14.9959, 16.3392, 23.7905



17.3997, 16.3392, 15.5844



16.0765, 16.3392, 12.8952

Sweetspot

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



13.7996, 16.3399, 20.1962



28.9962, 31.6092, 35.8260



12.4358, 16.1749, 11.8413



6.7874, 7.4406, 8.4851



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.



13.7996, 16.3399, 20.1962



22.9970, 27.9413, 35.4342



12.0576, 12.8559, 19.6155



4.0873, 4.4729, 5.0911



10.1045, 14.2915, 21.6113



47.9732, 67.7191, 103.0124

Inverse Universe

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



14.4243, 12.1179, 18.7191



24.2994, 19.2493, 32.3304



14.5332, 14.8153, 11.1108



4.1445, 4.0735, 4.9587



11.6836, 5.6496, 17.4227



55.6178, 26.9035, 82.5065

Previews

White Background



This preview shows how the XYZ color 13.7991, 16.3392, 20.1958 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 13.7991, 16.3392, 20.1958 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 13.7991, 16.3392, 20.1958

Background



This preview shows how black text looks on a background with the XYZ color 13.7991, 16.3392, 20.1958.



This preview shows how white text looks on a background with the XYZ color 13.7991, 16.3392,

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

13.7991, 16.3392, 20.1958

Protanopia

15.6469, 16.1405, 18.8138

Deuteranopia

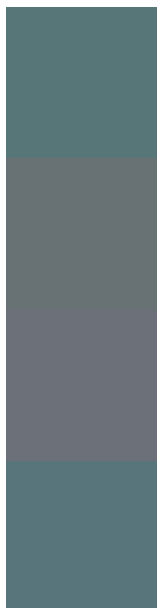
16.5892, 16.2644, 20.6773



Tritanopia

14.1517, 16.3036, 22.1397

Trichromacy



Original Color

13.7991, 16.3392, 20.1958

Protanomaly

14.9371, 16.2620, 19.1812

Deuteranomaly

15.3088, 16.0946, 20.3889

Tritanomaly

14.0239, 16.2525, 21.4667

Monochromacy



Original Color

13.7991, 16.3392, 20.1958

Achromatopsia

14.5356, 15.2926, 16.6537

Achromatomaly

14.1416, 15.5473, 17.8784

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.7991, 16.3392, 20.1958 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(87, 118, 120)` looks like.

```
.text, #text, p{  
    color:rgb(87, 118, 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(87, 118, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 118, 120) }
```

Border

The CSS property to change the border of an element to XYZ 13.7991, 16.3392, 20.1958 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(87, 118, 120) }
```


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

```
.border{ border-color:rgb(87, 118, 120) }
```

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

Here you see how a box with a 4 pixel `rgb(87, 118, 120)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(87, 118, 120); -webkit-box-  
shadow:4px 4px 4px 4px rgb(87, 118, 120);  
box-shadow:4px 4px 4px 4px rgb(87, 118,  
120) }
```

Background

The CSS property to change the background color of an element to XYZ 13.7991, 16.3392, 20.1958 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(87, 118, 120) }
```

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

```
.background{ background-color: rgb(87, 118,  
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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