

Converting Colors

XYZ(13.8148, 18.2139, 24.1717)

Have a look what the booklet for
XYZ(13.8148, 18.2139, 24.1717)
contains.

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Color

**XYZ(13.8715, 18.3313,
24.2799)**

Conversions

Conversions Part 1

Format	Color
Hex	3D8183
RGB	61, 129, 131
RGB Percent	24%, 51%, 51%
CMY	0.7608, 0.4941, 0.4863
CMYK	0.53, 0.02, 0.00, 0.49
HSL	182°, 36%, 38%
HSV	182°, 53%, 51%
XYZ	13.8715, 18.3313, 24.2799
YIQ	108.8960, -41.1700, -13.7940

Conversions

Conversions Part 2

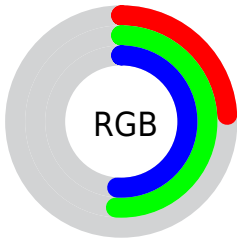
Format	Color
RYB	61, 95, 131
Decimal	4030851
CIELab	49.90, -20.78, -7.67
CIElCh	50, 22.154, 200.250
Yxy	18.3313, 0.2456, 0.3245
Android (android.graphics.Color)	4282220931 (0xFF3D8183)
YUV	108.8960, 10.8973, -42.0048
Hunter-Lab	42.8151, -17.0948, -3.6521

Details


The XYZ color **13.8715, 18.3313, 24.2799** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **11.9803, 8.7177, 5.4667**, and the grayscale version is **14.4854, 15.2397, 16.5961**.

A 20% lighter version of the original color is **32.4499, 40.5614, 51.4662**, and **4.3190, 6.2012, 8.9520** is the 20% darker color. If you saturate the color by 10%, you get **13.1125, 17.8674, 24.2307**, and if you desaturate by 10%, it is **14.8288, 18.8985, 24.3393**.

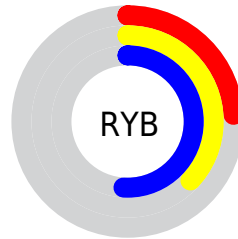
Distribution



 Red (24%)

 Green (51%)

 Blue (51%)



 Red (24%)

 Yellow (37%)

 Blue (51%)

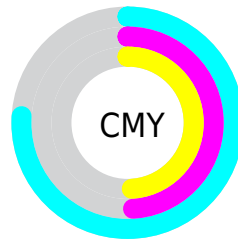


 Cyan (53%)


 Magenta (2%)

 Yellow (0%)

 Black (49%)



 Cyan (76%)

 Magenta (49%)

 Yellow (49%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.8715, 18.3313, 24.2799 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 13.8715, 18.3313, 24.2799 by changing the saturation by 10% instead.

■ 13.8715, 18.3313,
24.2799

■ 13.8715, 18.3313,
24.2799

209.9566,
242.7318, 287.5645

■ 8.1124, 11.1881,
15.3273

■ 32.4490, 40.6010,
51.4361

■ 4.2194, 6.1935,
8.9002

■ 45.9982, 56.4964,
70.4768

■ 1.8270, 2.9631,
4.5802

■ 62.8748, 76.0779,
93.7172

■ 0.5339, 1.1125,
1.9488

■ 83.4442, 99.7300,
121.5759

■ 0.0000, 0.0000,
0.5235

■ 108.0717,
127.8370, 154.4715

■ 0.0000, 0.0000,
0.0000

137.1227,

160.7834, 192.8224

170.9626,
198.9536, 237.0472

■ 13.8715, 18.3313,
24.2799

■ 13.8715, 18.3313,
24.2799

■ 13.1125, 17.8674,
24.2307

■ 14.8288, 18.8985,
24.3393

■ 12.5356, 17.4973,
24.1897

■ 15.9958, 19.5737,
24.4081

■ 12.1247, 17.2129,
24.1564

■ 17.3853, 20.3638,
24.4873

■ 11.8593, 17.0039,
24.1301

■ 19.0081, 21.2745,
24.5776

■ 11.7198, 16.8847,
24.1144

■ 20.8748, 22.3112,
24.6793

■ 22.9950, 23.4788,
24.7929

■ 25.3779, 24.7822,
24.9189

■ 28.0324, 26.2257,
25.0576

■ 30.9666, 27.8139,
25.2095

Harmonies

Analogous

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



13.7063, 18.3313, 18.0470



13.8715, 18.3313, 24.2799



14.9443, 18.3313, 30.3498

Triad

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



13.8715, 18.3313, 24.2799



20.7496, 18.3313, 28.3953



18.1229, 18.3313, 10.5221

Complementary

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



13.8715, 18.3313, 24.2799



11.9803, 8.7177, 5.4667

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.



20.1624, 18.3313, 12.2612



13.8715, 18.3313, 24.2799



21.7582, 18.3313, 22.0029

Square

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



13.8715, 18.3313, 24.2799



18.8729, 18.3313, 33.0401



21.5350, 18.3313, 16.1850



16.0500, 18.3313, 10.8872

Rectangle

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



13.8715, 18.3313, 24.2799



16.0817, 18.3313, 33.0890



21.5350, 18.3313, 16.1850



18.8376, 18.3313, 10.8639

Sweetspot

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



13.8721, 18.3320, 24.2803



33.1410, 37.5957, 43.9631



10.9153, 17.5747, 7.3990



7.5964, 8.6861, 10.2289



64.0503, 67.3860, 73.3833



8.9945, 9.4630, 10.3052

Same Dimension

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



13.8721, 18.3320, 24.2803



23.2445, 31.8476, 43.3752



10.0990, 10.7858, 23.0226



4.7905, 5.2567, 5.9629



11.5366, 16.6209, 23.7368



0.0409, 0.0594, 0.0825

Inverse Universe

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



14.9918, 9.7483, 21.8611



25.5003, 14.8499, 38.4352



14.4930, 13.7430, 6.3043



4.8523, 4.7606, 5.8345



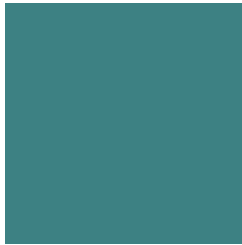
13.0012, 6.2648, 20.3766



0.0455, 0.0219, 0.0730

Previews

White Background



This preview shows how the XYZ color 13.8715, 18.3313, 24.2799 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 13.8715, 18.3313, 24.2799 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

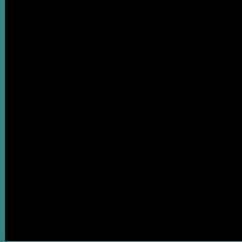
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 13.8715, 18.3313, 24.2799

Background



This preview shows how black text looks on a background with the XYZ color 13.8715, 18.3313, 24.2799.



This preview shows how white text looks on a background with the XYZ color 13.8715, 18.3313,

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

13.8715, 18.3313, 24.2799

Protanopia

17.4706, 18.0294, 21.6280

Deuteranopia

18.4598, 18.1203, 25.0789



Tritanopia

14.4210, 18.3633, 26.8292

Trichromacy



Original Color

13.8715, 18.3313, 24.2799

Protanomaly

15.5979, 17.7484, 22.6824

Deuteranomaly

16.2056, 17.8357, 24.7788

Tritanomaly

14.1422, 18.2444, 25.6978

Monochromacy



Original Color

13.8715, 18.3313, 24.2799

Achromatopsia

14.5356, 15.2926, 16.6537

Achromatomaly

13.8699, 16.0504, 19.1966

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.8715, 18.3313, 24.2799 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(61, 129, 131)` looks like.

```
.text, #text, p{  
    color:rgb(61, 129, 131)  
}
```

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(61, 129, 131) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(61, 129, 131) }
```

Border

The CSS property to change the border of an element to XYZ 13.8715, 18.3313, 24.2799 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(61, 129, 131) }
```


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

```
.border{ border-color:rgb(61, 129, 131) }
```

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

Here you see how a box with a 4 pixel `rgb(61, 129, 131)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(61, 129, 131); -webkit-box-  
shadow:4px 4px 4px 4px rgb(61, 129, 131);  
box-shadow:4px 4px 4px 4px rgb(61, 129,  
131) }
```

Background

The CSS property to change the background color of an element to XYZ 13.8715, 18.3313, 24.2799 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(61, 129, 131) }
```

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

```
.background{ background-color: rgb(61, 129,  
131) }
```

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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