

Converting Colors

XYZ(23.1383, 28.2486, 30.9871)

Have a look what the booklet for
XYZ(23.1383, 28.2486, 30.9871)
contains.

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Color

**XYZ(23.1842, 28.2715,
31.0231)**

Conversions

Conversions Part 1

Format	Color
Hex	709991
RGB	112, 153, 145
RGB Percent	44%, 60%, 57%
CMY	0.5608, 0.4000, 0.4314
CMYK	0.27, 0.00, 0.05, 0.40
HSL	168°, 17%, 52%
HSV	168°, 27%, 60%
XYZ	23.1842, 28.2715, 31.0231
YIQ	139.8290, -21.8680, -11.1800

Conversions

Conversions Part 2

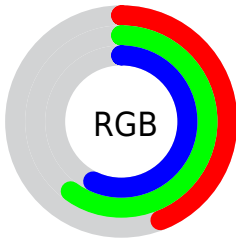
Format	Color
R_{YB}	112, 135, 153
Decimal	7379345
CIE _{Lab}	60.13, -15.75, -0.34
CIE _{LCh}	60, 15.757, 181.239
Yxy	28.2715, 0.2811, 0.3428
Android (android.graphics.Color)	4285569425 (0xFF709991)
YUV	139.8290, 2.5493, -24.4060
Hunter-Lab	53.1710, -15.2176, 2.6263

Details

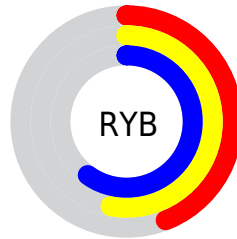
The XYZ color **23.1842, 28.2715, 31.0231** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **22.3222, 19.7176, 20.3999**, and the grayscale version is **24.8580, 26.1526, 28.4802**.

A 20% lighter version of the original color is **48.1387, 56.7485, 62.4492**, and **8.8035, 11.3531, 12.5538** is the 20% darker color. If you saturate the color by 10%, you get **21.1734, 27.2619, 29.7433**, and if you desaturate by 10%, it is **25.5335, 29.4564, 32.3516**.

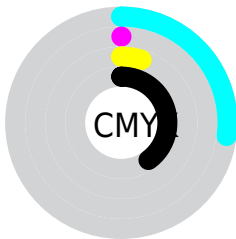
Distribution



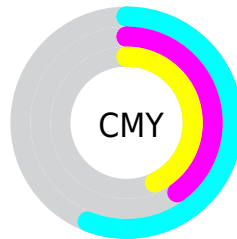
- Red (44%)
- Green (60%)
- Blue (57%)



- Red (44%)
- Yellow (53%)
- Blue (60%)



- Cyan (27%)
- Magenta (0%)
- Yellow (5%)
- Black (40%)



- Cyan (56%)
- Magenta (40%)
- Yellow (43%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.1842, 28.2715, 31.0231 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 23.1842, 28.2715, 31.0231 by changing the saturation by 10% instead.

■ 23.1842, 28.2715,
31.0231

■ 23.1842, 28.2715,
31.0231

261.1874,
293.7620, 320.9992

■ 14.8510, 18.5304,
20.3578

■ 48.1600, 56.9176,
62.3564

■ 8.8005, 11.3315,
12.4688

■ 65.5334, 76.5914,
83.8616

■ 4.6674, 6.2902,
6.9374

■ 86.6509, 100.3450,
109.8171

■ 2.0862, 3.0224,
3.3451

■ 111.8778,
128.5626, 140.6415

■ 0.6817, 1.1434,
1.2734

141.5796,
161.6287, 176.7534

■ 0.0000, 0.0147,
0.0399

176.1215,

■ 0.0000, 0.0000,

199.9277, 218.5713

0.0000

215.8690,
243.8440, 266.5137

■ 23.1842, 28.2715,
31.0231

■ 23.1842, 28.2715,
31.0231

■ 21.1734, 27.2619,
29.7433

■ 25.5335, 29.4564,
32.3516

■ 19.4819, 26.4155,
28.5092

■ 28.2345, 30.8211,
33.7277

■ 18.0923, 25.7240,
27.3203

■ 31.3025, 32.3744,
35.1531

■ 16.9845, 25.1771,
26.1755

■ 34.7514, 34.1233,
36.6286

■ 16.1360, 24.7632,
25.0735

■ 38.5942, 36.0745,
38.1551

■ 15.5206, 24.4688,
24.0128

■ 42.8433, 38.2345,
39.7333

■ 15.0974, 24.2728,
22.9911

■ 47.5105, 40.6093,
41.3641

■ 14.9758, 24.2170,
22.6709

■ 52.6074, 43.2048,
43.0482

■ 58.1447, 46.0267,
44.7863

Harmonies

Analogous

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



23.6188, 28.2715, 25.7511



23.1842, 28.2715, 31.0231



23.6957, 28.2715, 36.8971

Triad

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



23.1842, 28.2715, 31.0231



28.9290, 28.2715, 41.2671



28.7770, 28.2715, 22.0518

Complementary

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



23.1842, 28.2715, 31.0231



22.3222, 19.7176, 20.3999

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.



30.3185, 28.2715, 25.3844



23.1842, 28.2715, 31.0231



30.4092, 28.2715, 36.4308

Square

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



23.1842, 28.2715, 31.0231



26.9550, 28.2715, 43.2490



30.9298, 28.2715, 30.5439



26.7876, 28.2715, 20.9769

Rectangle

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



23.1842, 28.2715, 31.0231



24.5200, 28.2715, 40.2612



30.9298, 28.2715, 30.5439



29.3682, 28.2715, 22.9227

Sweetspot

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



23.1850, 28.2727, 31.0237



49.8664, 54.8428, 60.0596



22.0903, 27.9608, 19.5626



10.8545, 12.0307, 13.1842



72.9764, 76.7769, 83.6100



11.9732, 12.5967, 13.7178

Same Dimension

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



23.1850, 28.2727, 31.0237



39.3466, 49.5382, 54.2096



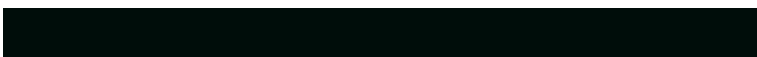
21.9135, 24.7071, 33.7522



6.3329, 7.0059, 7.6764



12.3885, 20.0188, 18.7982



0.1970, 0.3040, 0.3430

Inverse Universe

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



22.3222, 19.7176, 20.3999



37.5453, 31.6546, 32.0127



23.3078, 22.4337, 18.4316



6.2556, 6.2414, 6.7263



11.0595, 5.6781, 1.5726



0.1760, 0.0891, 0.0794

Previews

White Background



This preview shows how the XYZ color 23.1842, 28.2715, 31.0231 looks on a white 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

Black Background



This preview shows how the XYZ color 23.1842, 28.2715, 31.0231 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

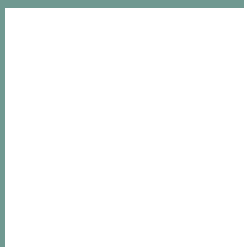
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 23.1842, 28.2715, 31.0231

Background



This preview shows how black text looks on a background with the XYZ color 23.1842, 28.2715, 31.0231.

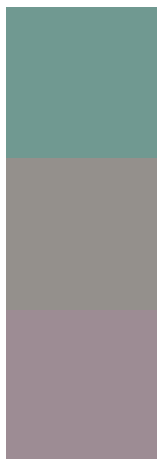


This preview shows how white text looks on a background with the XYZ color 23.1842, 28.2715,

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

23.1842, 28.2715, 31.0231

Protanopia

26.9196, 28.1359, 28.8229

Deuteranopia

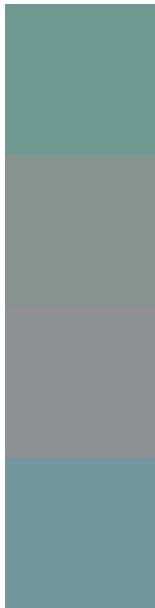
28.6280, 28.0624, 31.9247



Tritanopia

24.6304, 28.1343, 38.3147

Trichromacy



Original Color

23.1842, 28.2715, 31.0231

Protanomaly

25.3079, 27.9713, 29.6563

Deuteranomaly

26.3764, 28.0201, 31.6220

Tritanomaly

24.1376, 28.1784, 35.6193

Monochromacy



Original Color

23.1842, 28.2715, 31.0231

Achromatopsia

24.9269, 26.2251, 28.5591

Achromatomaly

24.2138, 26.9496, 29.5168

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.1842, 28.2715, 31.0231 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(112, 153, 145)` looks like.

```
.text, #text, p{  
    color:rgb(112, 153, 145)  
}
```

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(112, 153, 145) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 153, 145) }
```

Border

The CSS property to change the border of an element to XYZ 23.1842, 28.2715, 31.0231 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(112, 153, 145) }
```


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

```
.border{ border-color:rgb(112, 153, 145) }
```

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

Here you see how a box with a 4 pixel `rgb(112, 153, 145)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(112, 153, 145); -webkit-box-  
shadow:4px 4px 4px 4px rgb(112, 153, 145);  
box-shadow:4px 4px 4px 4px rgb(112, 153,  
145) }
```

Background

The CSS property to change the background color of an element to XYZ 23.1842, 28.2715, 31.0231 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(112, 153, 145) }
```

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

```
.background{ background-color: rgb(112,  
153, 145) }
```

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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