

Converting Colors

XYZ(31.7023, 58.7537, 23.1756)

Have a look what the booklet for
XYZ(31.7023, 58.7537, 23.1756)
contains.

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Color

**XYZ(31.8115, 58.9360,
23.3348)**

Conversions

Conversions Part 1

Format	Color
Hex	17E86A
RGB	23, 232, 106
RGB Percent	9%, 91%, 42%
CMY	0.9098, 0.0902, 0.5843
CMYK	0.90, 0.00, 0.54, 0.09
HSL	144°, 82%, 50%
HSV	144°, 90%, 91%
XYZ	31.8115, 58.9360, 23.3348
YIQ	155.1450, -84.1180, -83.4940

Conversions

Conversions Part 2

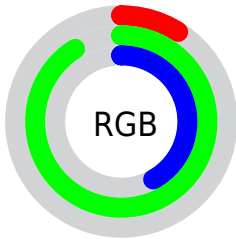
Format	Color
RYB	23, 173, 232
Decimal	1566826
CIELab	81.26, -72.06, 48.00
CIELCh	81, 86.579, 146.333
Yxy	58.9360, 0.2788, 0.5166
Android (android.graphics.Color)	4279756906 (0xFF17E86A)
YUV	155.1450, -24.2285, -115.8912
Hunter-Lab	76.7698, -60.3811, 35.7172

Details

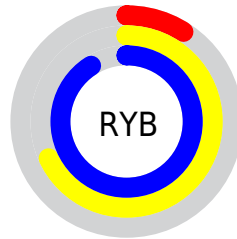
The XYZ color **31.8115, 58.9360, 23.3348** is a dark color, and the websafe version is hex **33FF66**. The color can be described as dark washed spring green. A complement of this color would be **39.0120, 19.9397, 30.2295**, and the grayscale version is **31.3524, 32.9852, 35.9209**.

A 20% lighter version of the original color is **49.0446, 77.6355, 45.6579**, and **15.9958, 30.9263, 8.6163** is the 20% darker color. If you saturate the color by 10%, you get **30.7953, 58.4905, 19.8224**, and if you desaturate by 10%, it is **33.3834, 59.6570, 27.5218**.

Distribution



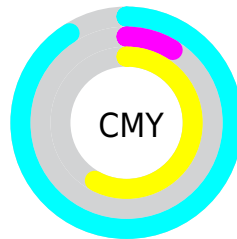
- Red (9%)
- Green (91%)
- Blue (42%)



- Red (9%)
- Yellow (68%)
- Blue (91%)



- Cyan (90%)
- Magenta (0%)
- Yellow (54%)
- Black (9%)



- Cyan (91%)
- Magenta (9%)
- Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.8115, 58.9360, 23.3348 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 31.8115, 58.9360, 23.3348 by changing the saturation by 10% instead.

■ 31.8115, 58.9360,
23.3348

■ 31.8115, 58.9360,
23.3348

302.0202,
420.6647, 282.6174

■ 21.3724, 42.5616,
14.6333

■ 61.8827, 103.2846,
49.8726

■ 13.5105, 29.5413,
8.4187

■ 82.2454, 132.0277,
68.5460

■ 7.8604, 19.4907,
4.2724

■ 106.6468,
165.6624, 91.3805

■ 4.0568, 12.0254,
1.7759

■ 135.4522,
204.5731, 118.7945

■ 1.7343, 6.7610,
0.4120

■ 169.0268,
249.1444, 151.2067

■ 0.4776, 3.3131,
0.0000

207.7361,

■ 0.0000, 1.2973,

299.7604, 189.0356

0.0000

251.9455,
356.8057, 232.6996

■ 0.0000, 0.1391,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 31.8115, 58.9360,
23.3348

■ 31.8115, 58.9360,
23.3348


■ 30.7953, 58.4905,
19.8224


■ 33.3834, 59.6570,
27.5218


■ 35.6425, 60.7163,
32.3869


■ 38.6749, 62.1592,
37.9619


■ 42.5521, 64.0223,
44.2748

 47.3371, 66.3374,
51.3521

 53.0868, 69.1333,
59.2189

 59.8530, 72.4363,
67.8992

 67.6839, 76.2707,
77.4157

 76.6245, 80.6594,
87.7903

Harmonies

Analogous

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



41.9886, 58.9360, 9.9511



31.8115, 58.9360, 23.3348



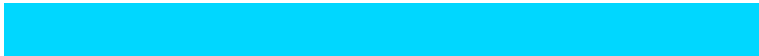
28.0287, 58.9360, 58.0210

Triad

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



31.8115, 58.9360, 23.3348



53.8261, 58.9360, 223.2597



93.2361, 58.9360, 29.4068

Complementary

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



31.8115, 58.9360, 23.3348



39.0120, 19.9397, 30.2295

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.



98.2828, 58.9360, 70.7416



31.8115, 58.9360, 23.3348



72.8661, 58.9360, 200.8402

Square

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



31.8115, 58.9360, 23.3348



38.8949, 58.9360, 187.5413



90.1527, 58.9360, 136.5536



77.5448, 58.9360, 11.9014

Rectangle

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



31.8115, 58.9360, 23.3348



28.8751, 58.9360, 96.3790



90.1527, 58.9360, 136.5536



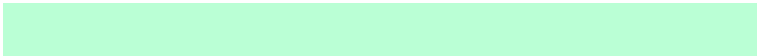
96.3614, 58.9360, 40.0809

Sweetspot

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



31.8129, 58.9384, 23.3361



68.1189, 86.8070, 76.4436



41.9405, 64.4420, 11.0390



13.9999, 18.2974, 15.6002



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



31.8129, 58.9384, 23.3361



38.1220, 72.4648, 24.3580



40.5498, 62.4332, 69.3439



14.4252, 16.1835, 16.5039



17.1537, 32.4936, 11.3098



1.3124, 2.4191, 1.0715

Inverse Universe

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



39.0120, 19.9397, 30.2295



47.0507, 23.5843, 32.5286



34.1075, 17.9779, 4.4032



14.7400, 14.5132, 16.8315



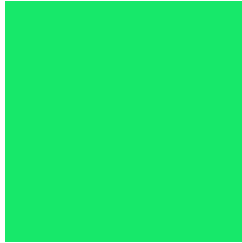
21.1613, 10.5988, 15.0104



1.6092, 0.8014, 1.3488

Previews

White Background



This preview shows how the XYZ color 31.8115, 58.9360, 23.3348 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

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 31.8115, 58.9360, 23.3348 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 ✓ Pass

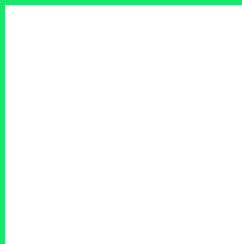
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 31.8115, 58.9360, 23.3348

Background



This preview shows how black text looks on a background with the XYZ color 31.8115, 58.9360, 23.3348.

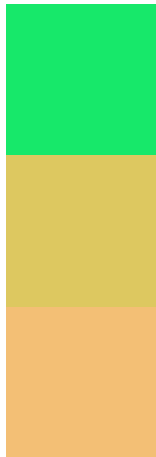


This preview shows how white text looks on a background with the XYZ color 31.8115, 58.9360,

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

31.8115, 58.9360, 23.3348

Protanopia

52.5844, 57.5252, 19.3983

Deuteranopia

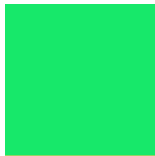
58.8038, 57.6006, 24.8484



Tritanopia

44.6254, 58.4742, 88.2915

Trichromacy



Original Color

31.8115, 58.9360, 23.3348



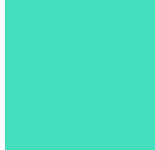
Protanomaly

38.2382, 54.3966, 20.5408



Deuteranomaly

40.1562, 53.1214, 23.7598



Tritanomaly

37.8877, 57.6428, 57.2734

Monochromacy



Original Color

31.8115, 58.9360, 23.3348



Achromatopsia

31.1553, 32.7778, 35.6950



Achromatomaly

27.5122, 38.7989, 29.7058

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.8115, 58.9360, 23.3348 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(23, 232, 106)` looks like.

```
.text, #text, p{  
    color:rgb(23, 232, 106)  
}
```

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(23, 232, 106) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(23, 232, 106) }
```

Border

The CSS property to change the border of an element to XYZ 31.8115, 58.9360, 23.3348 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(23, 232, 106) }
```


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

```
.border{ border-color:rgb(23, 232, 106) }
```

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

Here you see how a box with a 4 pixel `rgb(23, 232, 106)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(23, 232, 106); -webkit-box-  
shadow:4px 4px 4px 4px rgb(23, 232, 106);  
box-shadow:4px 4px 4px 4px rgb(23, 232,  
106) }
```

Background

The CSS property to change the background color of an element to XYZ 31.8115, 58.9360, 23.3348 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(23, 232, 106) }
```

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

```
.background{ background-color: rgb(23, 232,  
106) }
```

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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