

Converting Colors

XYZ(31.3351, 33.3827, 46.4805)

Have a look what the booklet for
XYZ(31.3351, 33.3827, 46.4805)
contains.

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Color

**XYZ(31.3180, 33.3788,
46.3871)**

Conversions

Conversions Part 1

Format	Color
Hex	8E9EB1
RGB	142, 158, 177
RGB Percent	56%, 62%, 69%
CMY	0.4431, 0.3804, 0.3059
CMYK	0.20, 0.11, 0.00, 0.31
HSL	213°, 18%, 63%
HSV	213°, 20%, 69%
XYZ	31.3180, 33.3788, 46.3871
YIQ	155.3820, -15.6350, 2.5170

Conversions

Conversions Part 2

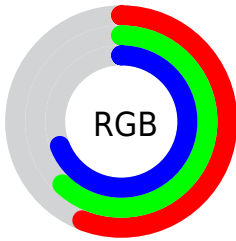
Format	Color
RYB	142, 153, 177
Decimal	9346737
CIELab	64.47, -1.49, -11.76
CIElCh	64, 11.849, 262.769
Yxy	33.3788, 0.2819, 0.3005
Android (android.graphics.Color)	4287536817 (0xFF8E9EB1)
YUV	155.3820, 10.6577, -11.7360
Hunter-Lab	57.7744, -4.3450, -7.1619

Details

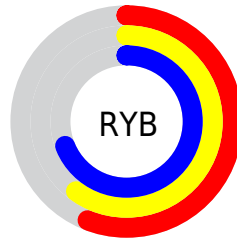
The XYZ color **31.3180, 33.3788, 46.3871** is a light color, and the websafe version is hex **999999**. A complement of this color would be **35.7592, 36.7900, 30.8084**, and the grayscale version is **31.2849, 32.9142, 35.8435**.

A 20% lighter version of the original color is **61.2672, 65.2075, 86.4480**, and **13.2102, 14.1948, 21.1124** is the 20% darker color. If you saturate the color by 10%, you get **26.9439, 28.7861, 45.7317**, and if you desaturate by 10%, it is **36.3046, 38.4791, 47.1093**.

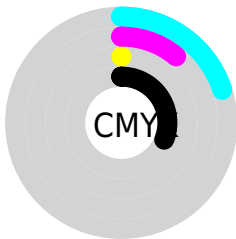
Distribution



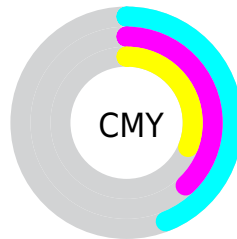
- Red (56%)
- Green (62%)
- Blue (69%)



- Red (56%)
- Yellow (60%)
- Blue (69%)



- Cyan (20%)
- Magenta (11%)
- Yellow (0%)
- Black (31%)



- Cyan (44%)
- Magenta (38%)
- Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.3180, 33.3788, 46.3871 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 31.3180, 33.3788, 46.3871 by changing the saturation by 10% instead.

■ 31.3180, 33.3788,
46.3871

■ 31.3180, 33.3788,
46.3871

■ 299.8015,
317.3532, 388.6854

■ 20.9941, 22.4168,
32.2005

■ 61.1128, 64.9665,
86.1384

■ 13.2321, 14.1635,
21.2486

■ 81.3145, 86.3609,
112.5402

■ 7.6667, 8.2344,
13.1128

■ 105.5395,
112.0017, 143.8509

■ 3.9324, 4.2453,
7.3747

■ 134.1531,
142.2731, 180.4889

■ 1.6640, 1.8117,
3.6155

■ 167.5208,
177.5595, 222.8728

■ 0.4336, 0.4945,
1.4169

■ 206.0078,

■ 0.0000, 0.0000,

218.2454, 271.4212

0.1548

249.9796,
264.7152, 326.5525

■ 0.0000, 0.0000,
0.0000

■ 31.3180, 33.3788,
46.3871

■ 31.3180, 33.3788,
46.3871

■ 26.9439, 28.7861,
45.7317

■ 36.3046, 38.4791,
47.1093

■ 23.1535, 24.6794,
45.1388

■ 41.9245, 44.0996,
47.8979

■ 19.9203, 21.0413,
44.6070

■ 48.2016, 50.2572,
48.7556

■ 17.2144, 17.8519,
44.1340

■ 55.1573, 56.9671,
49.6842

■ 15.0027, 15.0891,
43.7173

■ 62.8120, 64.2435,
50.6852

■ 13.2480, 12.7288,
43.3542

■ 71.1855, 72.1004,
51.7604

■ 11.9069, 10.7433,
43.0416

■ 76.1708, 78.4242,
52.7183

■ 10.8939, 9.0828,
42.7745

■ 78.8457, 83.7740,
53.6099

■ 10.8727, 9.0479,
42.7689

■ 81.6692, 89.4209,
54.5511

Harmonies

Analogous

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



29.7986, 33.3788, 44.2740



31.3180, 33.3788, 46.3871



33.0007, 33.3788, 45.6246

Triad

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



31.3180, 33.3788, 46.3871



34.8192, 33.3788, 32.8576



29.2064, 33.3788, 30.9956

Complementary

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



31.3180, 33.3788, 46.3871



35.7592, 36.7900, 30.8084

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.



30.4837, 33.3788, 28.4156



31.3180, 33.3788, 46.3871



33.7339, 33.3788, 29.4221

Square

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



31.3180, 33.3788, 46.3871



35.0619, 33.3788, 37.5287



32.1366, 33.3788, 27.8661



28.6079, 33.3788, 35.1842

Rectangle

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



31.3180, 33.3788, 46.3871



33.9852, 33.3788, 43.6177



32.1366, 33.3788, 27.8661



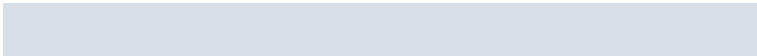
29.5684, 33.3788, 29.9272

Sweetspot

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



31.3190, 33.3802, 46.3879



68.5800, 72.4991, 84.8745



33.2818, 39.7572, 39.4848



14.7277, 15.5766, 18.3747



84.5950, 89.0005, 96.9216



16.2198, 17.0645, 18.5832

Same Dimension

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



31.3190, 33.3802, 46.3879



52.3243, 55.8566, 82.5189



28.9661, 28.3757, 45.5459



8.3514, 8.8489, 10.7742



7.9368, 6.6740, 31.0069



0.3083, 0.3271, 0.9951

Inverse Universe

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



33.9768, 31.1626, 36.5734



58.0691, 51.3266, 61.2465



38.4721, 42.6086, 31.7886



8.6525, 8.5677, 9.6687



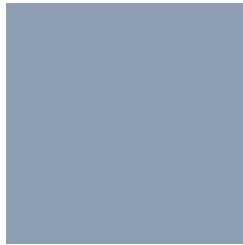
14.2408, 7.2139, 6.4280



0.4776, 0.2388, 0.3579

Previews

White Background



This preview shows how the XYZ color 31.3180, 33.3788, 46.3871 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 31.3180, 33.3788, 46.3871 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

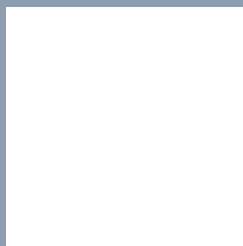
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 31.3180, 33.3788, 46.3871

Background



This preview shows how black text looks on a background with the XYZ color 31.3180, 33.3788, 46.3871.



This preview shows how white text looks on a background with the XYZ color 31.3180, 33.3788,

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

31.3180, 33.3788, 46.3871

Protanopia

32.5961, 33.3101, 45.2689

Deuteranopia

33.9621, 33.2479, 46.7470



Tritanopia

30.8290, 33.4376, 43.8590

Trichromacy



Original Color

31.3180, 33.3788, 46.3871

Protanomaly

32.1194, 33.3011, 45.8092

Deuteranomaly

32.9179, 33.1956, 46.7919

Tritanomaly

31.0226, 33.5150, 44.8784

Monochromacy



Original Color

31.3180, 33.3788, 46.3871

Achromatopsia

31.1553, 32.7778, 35.6950

Achromatomaly

31.0770, 32.9053, 39.3638

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.3180, 33.3788, 46.3871 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(142, 158, 177)` looks like.

```
.text, #text, p{  
    color:rgb(142, 158, 177)  
}
```

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(142, 158, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(142, 158, 177) }
```

Border

The CSS property to change the border of an element to XYZ 31.3180, 33.3788, 46.3871 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(142, 158, 177) }
```


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

```
.border{ border-color:rgb(142, 158, 177) }
```

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

Here you see how a box with a 4 pixel `rgb(142, 158, 177)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(142, 158, 177); -webkit-box-shadow:4px 4px 4px 4px rgb(142, 158, 177); box-shadow:4px 4px 4px 4px rgb(142, 158, 177) }
```

Background

The CSS property to change the background color of an element to XYZ 31.3180, 33.3788, 46.3871 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(142, 158, 177) }
```

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

```
.background{ background-color: rgb(142,  
158, 177) }
```

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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