

Converting Colors

XYZ(13.6433, 18.4204, 31.8809)

Have a look what the booklet for
XYZ(13.6433, 18.4204, 31.8809)
contains.

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Color

**XYZ(13.6213, 18.4346,
31.6945)**

Conversions

Conversions Part 1

Format	Color
Hex	008396
RGB	0, 131, 150
RGB Percent	0%, 51%, 59%
CMY	0.9999, 0.4863, 0.4118
CMYK	1.00, 0.13, 0.00, 0.41
HSL	188°, 100%, 29%
HSV	188°, 100%, 59%
XYZ	13.6213, 18.4346, 31.6945
YIQ	93.9970, -84.1750, -21.8630

Conversions

Conversions Part 2

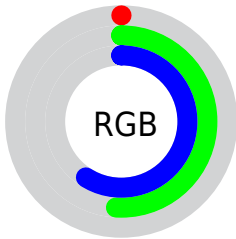
Format	Color
RYB	0, 70, 150
Decimal	33686
CIELab	50.02, -22.91, -18.72
CIELCh	50, 29.586, 219.256
Yxy	18.4346, 0.2137, 0.2892
Android (android.graphics.Color)	4278223766 (0xFF008396)
YUV	93.9970, 27.6095, -82.4354
Hunter-Lab	42.9355, -18.5080, -13.7123

Details

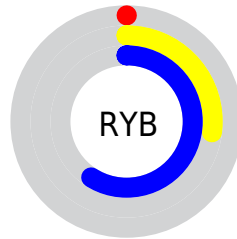
The XYZ color **13.6213, 18.4346, 31.6945** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **12.8112, 6.9506, 0.6670**, and the grayscale version is **10.5914, 11.1429, 12.1347**.

A 20% lighter version of the original color is **31.9701, 40.6668, 63.2912**, and **5.1946, 6.7857, 12.8404** is the 20% darker color. If you saturate the color by 10%, you get **13.6213, 18.4344, 31.6948**, and if you desaturate by 10%, it is **14.0766, 19.0520, 31.7900**.

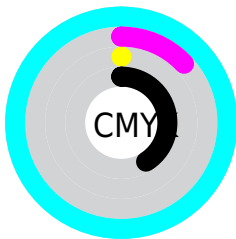
Distribution



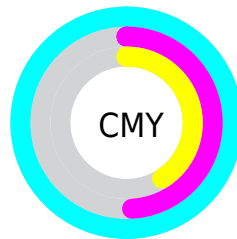
- Red (0%)
- Green (51%)
- Blue (59%)



- Red (0%)
- Yellow (27%)
- Blue (59%)



- Cyan (100%)
- Magenta (13%)
- Yellow (0%)
- Black (41%)



- Cyan (100%)
- Magenta (49%)
- Yellow (41%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.6213, 18.4346, 31.6945 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 13.6213, 18.4346, 31.6945 by changing the saturation by 10% instead.

■ 13.6213, 18.4346,
31.6945

■ 13.6213, 18.4346,
31.6945

208.4201,
243.3094, 324.1750

■ 7.9377, 11.2625,
20.8654

■ 32.0075, 40.7765,
63.4242

■ 4.1066, 6.2437,
12.8353

■ 45.4407, 56.7150,
85.1618

■ 1.7626, 2.9938,
7.1859

■ 62.1879, 76.3445,
111.3727

■ 0.4950, 1.1285,
3.4984

■ 82.6144, 100.0493,
142.4754

■ 0.0000, 0.0021,
1.3544

■ 107.0855,
128.2137, 178.8885

■ 0.0000, 0.0000,
0.1058

■ 135.9666,

■ 0.0000, 0.0000,

161.2223, 221.0304

0.0000

169.6230,
199.4594, 269.3197

■ 13.6213, 18.4346,
31.6945

■ 13.6213, 18.4346,
31.6945

■ 13.6213, 18.4344,
31.6948

■ 14.0766, 19.0520,
31.7900

■ 14.6775, 19.7512,
31.8933

■ 15.4916, 20.5672,
32.0079

■ 16.5450, 21.5137,
32.1351

■ 17.8601, 22.6022,
32.2759

■ 19.4567, 23.8429,
32.4312

■ 21.3526, 25.2451,
32.6019

■ 23.5641, 26.8171,
32.7888

■ 26.1064, 28.5670,
32.9926

Harmonies

Analogous

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



12.6622, 18.4346, 22.6963



13.6213, 18.4346, 31.6945



15.6562, 18.4346, 38.5552

Triad

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



13.6213, 18.4346, 31.6945



23.1453, 18.4346, 26.1419



16.6571, 18.4346, 8.2484

Complementary

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



13.6213, 18.4346, 31.6945



12.8112, 6.9506, 0.6670

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.



19.5294, 18.4346, 8.7048



13.6213, 18.4346, 31.6945



23.4879, 18.4346, 17.6585

Square

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



13.6213, 18.4346, 31.6945



21.2123, 18.4346, 34.7945



22.1031, 18.4346, 11.7077



14.2858, 18.4346, 10.2282

Rectangle

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



13.6213, 18.4346, 31.6945



17.4506, 18.4346, 40.1423



22.1031, 18.4346, 11.7077



17.5926, 18.4346, 8.1370

Sweetspot

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



13.6219, 18.4353, 31.6950



37.4640, 44.3932, 57.5154



11.0120, 21.8552, 4.1899



8.0096, 9.6237, 12.7202



71.1368, 74.8414, 81.5023



11.3376, 11.9280, 12.9896

Same Dimension

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



13.6219, 18.4353, 31.6950



23.9496, 32.3551, 55.9041



6.9940, 5.1794, 29.4857



5.9021, 6.4382, 7.4014



11.3131, 15.3210, 26.2920



0.1526, 0.2157, 0.3265

Inverse Universe

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



16.6749, 8.1233, 22.1625



29.3818, 14.3169, 38.8741



16.4493, 14.2269, 1.8797



6.0040, 5.8967, 7.1274



13.8374, 6.7400, 18.4227



0.1765, 0.0853, 0.2630

Previews

White Background



This preview shows how the XYZ color 13.6213, 18.4346, 31.6945 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 13.6213, 18.4346, 31.6945 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

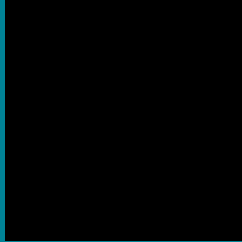
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 13.6213, 18.4346, 31.6945

Background



This preview shows how black text looks on a background with the XYZ color 13.6213, 18.4346, 31.6945.



This preview shows how white text looks on a background with the XYZ color 13.6213, 18.4346,

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

13.6213, 18.4346, 31.6945

Protanopia

18.2256, 18.4574, 27.8013

Deuteranopia

18.7932, 18.4672, 32.7110



Tritanopia

13.1337, 18.4555, 28.4612

Trichromacy



Original Color

13.6213, 18.4346, 31.6945

Protanomaly

14.8647, 17.5960, 28.9985

Deuteranomaly

15.2256, 17.5257, 32.2861

Tritanomaly

13.3621, 18.5469, 29.6637

Monochromacy



Original Color

13.6213, 18.4346, 31.6945

Achromatopsia

10.6392, 11.1932, 12.1894

Achromatomaly

10.1584, 12.6910, 17.8338

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.6213, 18.4346, 31.6945 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(0, 131, 150)` looks like.

```
.text, #text, p{  
    color:rgb(0, 131, 150)  
}
```

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(0, 131, 150) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 131, 150) }
```

Border

The CSS property to change the border of an element to XYZ 13.6213, 18.4346, 31.6945 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(0, 131, 150) }
```


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

```
.border{ border-color:rgb(0, 131, 150) }
```

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

Here you see how a box with a 4 pixel rgb(0, 131, 150) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 131, 150); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 131, 150);  
box-shadow:4px 4px 4px 4px rgb(0, 131,  
150) }
```

Background

The CSS property to change the background color of an element to XYZ 13.6213, 18.4346, 31.6945 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 131, 150) }
```

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

```
.background{ background-color: rgb(0, 131,  
150) }
```

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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