

Converting Colors

XYZ(31.8365, 37.3796, 45.9677)

Have a look what the booklet for
XYZ(31.8365, 37.3796, 45.9677)
contains.

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Color

**XYZ(31.8505, 37.4255,
46.1026)**

Conversions

Conversions Part 1

Format	Color
Hex	83ACAF
RGB	131, 172, 175
RGB Percent	51%, 67%, 69%
CMY	0.4863, 0.3255, 0.3137
CMYK	0.25, 0.02, 0.00, 0.31
HSL	184°, 22%, 60%
HSV	184°, 25%, 69%
XYZ	31.8505, 37.4255, 46.1026
YIQ	160.0830, -25.3990, -7.7590

Conversions

Conversions Part 2

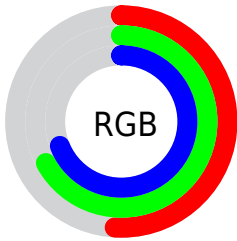
Format	Color
RYB	131, 152, 175
Decimal	8629423
CIELab	67.60, -13.03, -6.05
CIElCh	68, 14.368, 204.915
Yxy	37.4255, 0.2761, 0.3244
Android (android.graphics.Color)	4286819503 (0xFF83ACAF)
YUV	160.0830, 7.3541, -25.5058
Hunter-Lab	61.1764, -14.1255, -1.8575

Details

The XYZ color **31.8505, 37.4255, 46.1026** is a light color, and the websafe version is hex **669999**. A complement of this color would be **30.3015, 27.8031, 25.2431**, and the grayscale version is **33.4283, 35.1692, 38.2992**.

A 20% lighter version of the original color is **61.7596, 70.9656, 85.3056**, and **13.5999, 16.5685, 21.2201** is the 20% darker color. If you saturate the color by 10%, you get **29.1401, 35.6938, 45.9118**, and if you desaturate by 10%, it is **35.0230, 39.4003, 46.3172**.

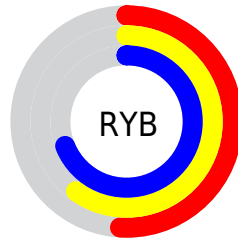
Distribution



Red (51%)

Green (67%)

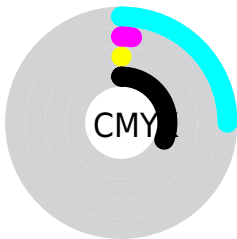
Blue (69%)



Red (51%)

Yellow (60%)

Blue (69%)

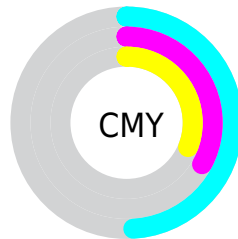


Cyan (25%)

Magenta (2%)

Yellow (0%)

Black (31%)



Cyan (49%)

Magenta (33%)

Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.8505, 37.4255, 46.1026 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 31.8505, 37.4255, 46.1026 by changing the saturation by 10% instead.

■ 31.8505, 37.4255,
46.1026

■ 31.8505, 37.4255,
46.1026

302.1951,
335.1491, 387.5105

■ 21.4023, 25.5371,
31.9775

■ 61.9434, 71.2267,
85.7084

■ 13.5325, 16.4777,
21.0797

■ 82.3189, 93.9083,
112.0263

■ 7.8758, 9.8628,
12.9904

■ 106.7342,
120.9565, 143.2455

■ 4.0667, 5.3081,
7.2913

135.5546,
152.7556, 179.7846

■ 1.7399, 2.4291,
3.5637

169.1455,
189.6900, 222.0621

■ 0.4811, 0.8408,
1.3892

207.8724,

■ 0.0000, 0.0000,

232.1441, 270.4965

0.1333

252.1004,
280.5023, 325.5065

■ 0.0000, 0.0000,
0.0000

■ 31.8505, 37.4255,
46.1026

■ 31.8505, 37.4255,
46.1026

■ 29.1401, 35.6938,
45.9118

■ 35.0230, 39.4003,
46.3172

■ 26.8654, 34.1888,
45.7412

■ 38.6756, 41.6248,
46.5540

■ 25.0026, 32.8991,
45.5905

■ 42.8294, 44.1106,
46.8149

■ 23.5242, 31.8106,
45.4583

■ 47.5035, 46.8677,
47.1007

■ 22.3992, 30.9072,
45.3432

■ 52.7156, 49.9052,
47.4123

■ 21.5920, 30.1707,
45.2436

■ 58.4828, 53.2320,
47.7505

■ 21.0585, 29.5783,
45.1574

■ 64.8215, 56.8564,
48.1160

■ 20.8490, 29.3171,
45.1180

■ 65.6123, 57.6239,
48.2225

■ 65.8568, 58.1128,
48.3039

Harmonies

Analogous

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



31.4995, 37.4255, 39.6794



31.8505, 37.4255, 46.1026



33.1816, 37.4255, 51.5580

Triad

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



31.8505, 37.4255, 46.1026



39.1687, 37.4255, 48.1637



35.9503, 37.4255, 29.7767

Complementary

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



31.8505, 37.4255, 46.1026



30.3015, 27.8031, 25.2431

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.



38.0741, 37.4255, 31.5690



31.8505, 37.4255, 46.1026



39.9809, 37.4255, 41.8397

Square

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



31.8505, 37.4255, 46.1026



37.3947, 37.4255, 52.8318



39.5723, 37.4255, 35.8286



33.8091, 37.4255, 30.6667

Rectangle

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



31.8505, 37.4255, 46.1026



34.4759, 37.4255, 53.6856



39.5723, 37.4255, 35.8286



36.6908, 37.4255, 30.0795

Sweetspot

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



31.8516, 37.4270, 46.1035



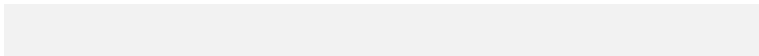
67.2128, 73.3053, 83.2437



28.9892, 37.2053, 28.1842



14.7190, 16.1594, 18.4876



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.



31.8516, 37.4270, 46.1035



54.3335, 65.3084, 82.3790



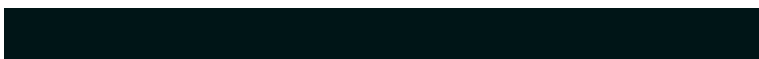
28.0157, 29.7553, 44.8248



8.1889, 8.9772, 10.2539



14.9485, 21.0310, 32.3160



0.4295, 0.6123, 0.9035

Inverse Universe

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



33.2428, 28.3260, 42.7468



57.2643, 46.3633, 75.2569



33.6539, 34.5080, 26.3605



8.3132, 8.1385, 9.9599



17.4090, 8.4261, 25.5968



0.4912, 0.2372, 0.7483

Previews

White Background



This preview shows how the XYZ color 31.8505, 37.4255, 46.1026 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 31.8505, 37.4255, 46.1026 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

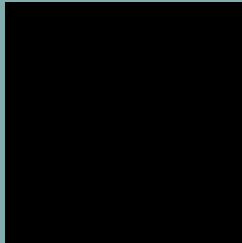
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 31.8505, 37.4255, 46.1026

Background



This preview shows how black text looks on a background with the XYZ color 31.8505, 37.4255, 46.1026.



This preview shows how white text looks on a background with the XYZ color 31.8505, 37.4255,

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

31.8505, 37.4255, 46.1026

Protanopia

35.8699, 37.0960, 43.2999

Deuteranopia

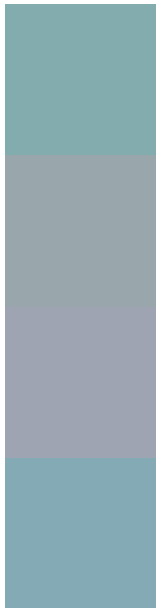
38.0622, 37.3546, 47.3235



Tritanopia

32.8875, 37.5731, 50.8664

Trichromacy



Original Color

31.8505, 37.4255, 46.1026

Protanomaly

34.2195, 37.0233, 44.3724

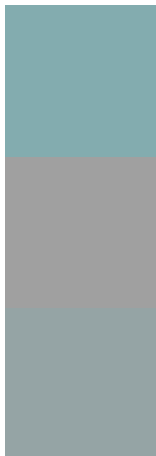
Deuteranomaly

35.3118, 36.9943, 46.8745

Tritanomaly

32.4191, 37.3675, 49.2201

Monochromacy



Original Color

31.8505, 37.4255, 46.1026

Achromatopsia

33.4132, 35.1533, 38.2819

Achromatomaly

32.4614, 35.6571, 40.7689

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.8505, 37.4255, 46.1026 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(131, 172, 175)` looks like.

```
.text, #text, p{  
    color:rgb(131, 172, 175)  
}
```

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(131, 172, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 172, 175) }
```

Border

The CSS property to change the border of an element to XYZ 31.8505, 37.4255, 46.1026 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(131, 172, 175) }
```


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

```
.border{ border-color:rgb(131, 172, 175) }
```

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

Here you see how a box with a 4 pixel rgb(131, 172, 175) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(131, 172, 175); -webkit-box-  
shadow:4px 4px 4px 4px rgb(131, 172, 175);  
box-shadow:4px 4px 4px 4px rgb(131, 172,  
175) }
```

Background

The CSS property to change the background color of an element to XYZ 31.8505, 37.4255, 46.1026 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 172, 175) }
```

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

```
.background{ background-color: rgb(131,  
172, 175) }
```

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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