

Converting Colors

XYZ(30.4522, 36.3347, 37.3066)

Have a look what the booklet for
XYZ(30.4522, 36.3347, 37.3066)
contains.

XYZ(30.4522, 36.3347, 37.3066)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(30.4522, 36.3347,
37.3066)**

Conversions

Conversions Part 1

Format	Color
Hex	87AA9D
RGB	135, 170, 157
RGB Percent	53%, 67%, 62%
CMY	0.4706, 0.3333, 0.3843
CMYK	0.21, 0.00, 0.08, 0.33
HSL	158°, 17%, 60%
HSV	158°, 21%, 67%
XYZ	30.4522, 36.3347, 37.3066
YIQ	158.0530, -16.6870, -11.4630

Conversions

Conversions Part 2

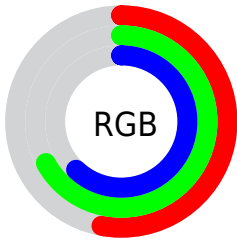
Format	Color
RYB	135, 156, 170
Decimal	8891037
CIELab	66.77, -14.65, 2.77
CIELCh	67, 14.913, 169.312
Yxy	36.3347, 0.2925, 0.3491
Android (android.graphics.Color)	4287081117 (0xFF87AA9D)
YUV	158.0530, -0.5191, -20.2175
Hunter-Lab	60.2783, -15.3099, 5.4998

Details

The XYZ color **30.4522, 36.3347, 37.3066** is a light color, and the websafe version is hex **669999**. A complement of this color would be **30.5881, 28.0130, 31.8134**, and the grayscale version is **32.5319, 34.2261, 37.2723**.

A 20% lighter version of the original color is **59.7951, 69.4227, 72.5357**, and **12.8263, 15.9288, 16.0342** is the 20% darker color. If you saturate the color by 10%, you get **27.4072, 34.8266, 34.4224**, and if you desaturate by 10%, it is **33.9639, 38.0821, 40.3597**.

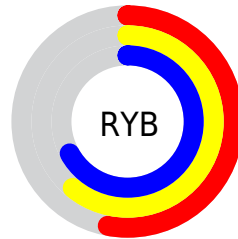
Distribution



Red (53%)

Green (67%)

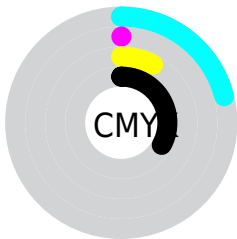
Blue (62%)



Red (53%)

Yellow (61%)

Blue (67%)

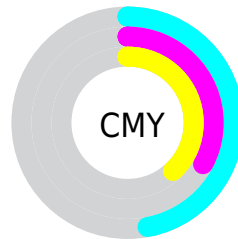


Cyan (21%)

Magenta (0%)

Yellow (8%)

Black (33%)



Cyan (47%)

Magenta (33%)

Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 30.4522, 36.3347, 37.3066 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 30.4522, 36.3347, 37.3066 by changing the saturation by 10% instead.

■ 30.4522, 36.3347,
37.3066

■ 30.4522, 36.3347,
37.3066

295.8788,
330.4211, 349.8446

■ 20.3318, 24.6928,
25.1473

■ 59.7583, 69.5484,
72.2357

■ 12.7462, 15.8483,
15.9668

■ 79.6748, 91.8889,
95.8426

■ 7.3298, 9.4169,
9.3466

■ 103.5873,
118.5645, 124.1024

■ 3.7173, 5.0141,
4.8680

131.8613,
149.9594, 157.4337

■ 1.5435, 2.2555,
2.1127

164.8621,
186.4581, 196.2550

■ 0.3551, 0.7500,
0.6233

202.9550,

■ 0.0000, 0.0000,

228.4451, 240.9849

0.0000

246.5055,
276.3046, 292.0419

■ 30.4522, 36.3347,
37.3066

■ 30.4522, 36.3347,
37.3066

■ 27.4072, 34.8266,
34.4224

■ 33.9639, 38.0821,
40.3597

■ 24.8048, 33.5426,
31.7015

■ 37.9589, 40.0744,
43.5822

■ 22.6231, 32.4723,
29.1414

■ 42.4569, 42.3227,
46.9781

■ 20.8373, 31.6030,
26.7386

■ 47.4754, 44.8360,
50.5500

■ 19.4197, 30.9205,
24.4896

■ 53.0310, 47.6228,
54.3008

■ 18.3390, 30.4087,
22.3905

■ 59.1398, 50.6912,
58.2333

■ 17.5582, 30.0486,
20.4370

■ 65.8169, 54.0492,
62.3499

■ 17.0215, 29.8093,
18.7258

■ 66.9419, 54.5414,
66.3663

■ 67.7323, 54.8576,
70.5284

Harmonies

Analogous

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



31.3544, 36.3347, 32.0154



30.4522, 36.3347, 37.3066



30.6074, 36.3347, 43.8071

Triad

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



30.4522, 36.3347, 37.3066



35.9870, 36.3347, 52.4583



37.4358, 36.3347, 30.8838

Complementary

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



30.4522, 36.3347, 37.3066



30.5881, 28.0130, 31.8134

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.



38.7850, 36.3347, 35.6010



30.4522, 36.3347, 37.3066



37.9238, 36.3347, 48.2108

Square

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



30.4522, 36.3347, 37.3066



33.7382, 36.3347, 53.0431



38.9674, 36.3347, 41.9072



35.3444, 36.3347, 28.5842

Rectangle

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



30.4522, 36.3347, 37.3066



31.2918, 36.3347, 47.9510



38.9674, 36.3347, 41.9072



37.9950, 36.3347, 32.2139

Sweetspot

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



30.4532, 36.3362, 37.3074



64.7578, 70.6559, 75.8060



31.0373, 36.8352, 28.3962



14.3410, 15.7066, 16.8237



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123

Same Dimension

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



30.4532, 36.3362, 37.3074



52.4604, 64.5405, 65.1036



30.8696, 35.2968, 43.2180



7.6276, 8.4841, 9.0249



12.5482, 21.9380, 13.9196



0.3288, 0.5431, 0.4623

Inverse Universe

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



30.5881, 28.0130, 31.8134



52.7536, 46.5069, 53.2045



30.1966, 28.7856, 26.8868



7.6420, 7.5867, 8.4322



12.8828, 6.5618, 4.1945



0.3382, 0.1696, 0.2325

Previews

White Background



This preview shows how the XYZ color 30.4522, 36.3347, 37.3066 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 30.4522, 36.3347, 37.3066 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

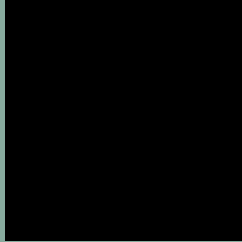
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

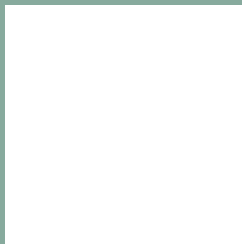
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 30.4522, 36.3347, 37.3066

Background



This preview shows how black text looks on a background with the XYZ color 30.4522, 36.3347, 37.3066.

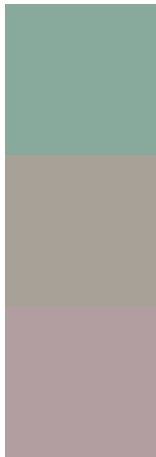


This preview shows how white text looks on a background with the XYZ color 30.4522, 36.3347,

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

30.4522, 36.3347, 37.3066

Protanopia

34.3487, 35.9722, 34.8387

Deuteranopia

36.7622, 36.1170, 38.2914



Tritanopia

32.7044, 36.4217, 48.4864

Trichromacy



Original Color

30.4522, 36.3347, 37.3066

Protanomaly

32.6258, 35.8526, 35.7725

Deuteranomaly

34.0786, 36.0252, 37.9583

Tritanomaly

31.9303, 36.3871, 44.3702

Monochromacy



Original Color

30.4522, 36.3347, 37.3066

Achromatopsia

32.4990, 34.1914, 37.2345

Achromatomaly

31.6696, 34.7933, 37.3944

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.4522, 36.3347, 37.3066 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(135, 170, 157)` looks like.

```
.text, #text, p{  
    color:rgb(135, 170, 157)  
}
```

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(135, 170, 157) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 170, 157) }
```

Border

The CSS property to change the border of an element to XYZ 30.4522, 36.3347, 37.3066 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(135, 170, 157) }
```


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

```
.border{ border-color:rgb(135, 170, 157) }
```

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

Here you see how a box with a 4 pixel `rgb(135, 170, 157)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 170, 157); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 170, 157);  
box-shadow:4px 4px 4px 4px rgb(135, 170,  
157) }
```

Background

The CSS property to change the background color of an element to XYZ 30.4522, 36.3347, 37.3066 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 170, 157) }
```

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

```
.background{ background-color: rgb(135,  
170, 157) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor