

Converting Colors

XYZ(21.3957, 36.5934, 14.6456)

Have a look what the booklet for
XYZ(21.3957, 36.5934, 14.6456)
contains.

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Color

**XYZ(21.4126, 36.5988,
14.7398)**

Conversions

Conversions Part 1

Format	Color
Hex	44B956
RGB	68, 185, 86
RGB Percent	27%, 73%, 34%
CMY	0.7333, 0.2745, 0.6627
CMYK	0.63, 0.00, 0.54, 0.27
HSL	129°, 46%, 50%
HSV	129°, 63%, 73%
XYZ	21.4126, 36.5988, 14.7398
YIQ	138.7310, -37.9530, -55.5930

Conversions

Conversions Part 2

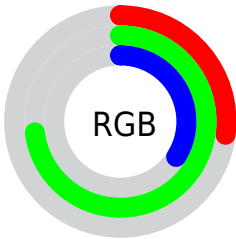
Format	Color
RYB	68, 169, 185
Decimal	4503894
CIELab	66.97, -53.41, 40.37
CIELCh	67, 66.951, 142.919
Yxy	36.5988, 0.2943, 0.5031
Android (android.graphics.Color)	4282693974 (0xFF44B956)
YUV	138.7310, -25.9964, -62.0311
Hunter-Lab	60.4969, -42.6904, 27.9021

Details

The XYZ color **21.4126, 36.5988, 14.7398** is a dark color, and the websafe version is hex **66CC66**. A complement of this color would be **29.0509, 17.2392, 38.3565**, and the grayscale version is **24.5452, 25.8234, 28.1217**.

A 20% lighter version of the original color is **45.2417, 69.9284, 35.1578**, and **8.4347, 16.3600, 4.3823** is the 20% darker color. If you saturate the color by 10%, you get **19.7571, 35.8115, 11.7232**, and if you desaturate by 10%, it is **23.6151, 37.6542, 18.5046**.

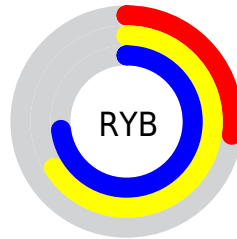
Distribution



Red (27%)

Green (73%)

Blue (34%)



Red (27%)

Yellow (66%)

Blue (73%)

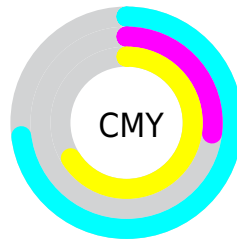


Cyan (63%)

Magenta (0%)

Yellow (54%)

Black (27%)



Cyan (73%)

Magenta (27%)


Yellow (66%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 21.4126, 36.5988, 14.7398 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 21.4126, 36.5988, 14.7398 by changing the saturation by 10% instead.


 21.4126, 36.5988,
14.7398


 21.4126, 36.5988,
14.7398


252.1536,
331.5703, 233.3721


 13.5401, 24.8970,
8.4924


 45.2593, 69.9553,
35.1319

 7.8811, 16.0003,
4.3193

 61.9643, 92.3788,
50.1136


 4.0701, 9.5244,
1.8021


 82.3441, 119.1450,
68.8439

 1.7419, 5.0848,
0.4294

 106.7641,
150.6383, 91.7413

 0.4823, 2.2971,
0.0000

 135.5898,
187.2431, 119.2242

 0.0000, 0.7722,
0.0000

169.1863,

 0.0000, 0.0000,

229.3437, 151.7113

0.0000

207.9191,
277.3247, 189.6211

■ 21.4126, 36.5988,
14.7398

■ 21.4126, 36.5988,
14.7398

■ 19.7571, 35.8115,
11.7232

■ 23.6151, 37.6542,
18.5046

■ 18.5971, 35.2636,
9.4026

■ 26.4048, 38.9944,
23.0605

■ 17.8753, 34.9280,
7.7227

■ 29.8213, 40.6400,
28.4500

■ 17.5649, 34.7855,
6.9164

■ 33.8999, 42.6082,
34.7118

■ 38.6731, 44.9151,
41.8823

■ 44.1716, 47.5758,
49.9957

■ 50.4239, 50.6043,
59.0845

■ 57.4570, 54.0138,
69.1796

■ 65.2969, 57.8172,
80.3105

Harmonies

Analogous

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



27.7194, 36.5988, 7.3394



21.4126, 36.5988, 14.7398



18.7780, 36.5988, 33.3435

Triad

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



21.4126, 36.5988, 14.7398



32.4331, 36.5988, 125.1483



56.0599, 36.5988, 21.7915

Complementary

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



21.4126, 36.5988, 14.7398



29.0509, 17.2392, 38.3565

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.



57.9969, 36.5988, 47.1520



21.4126, 36.5988, 14.7398



42.9619, 36.5988, 116.7848

Square

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



21.4126, 36.5988, 14.7398



24.2868, 36.5988, 103.2230



52.8146, 36.5988, 83.9970



47.9442, 36.5988, 9.8059

Rectangle

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



21.4126, 36.5988, 14.7398



19.0080, 36.5988, 53.7131



52.8146, 36.5988, 83.9970



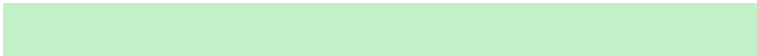
57.5124, 36.5988, 28.6043

Sweetspot

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



21.4135, 36.6003, 14.7406



63.9222, 77.8586, 67.0187



34.4254, 43.3817, 12.0281



13.2762, 16.5411, 13.6867



88.6918, 93.3107, 101.6153



17.8044, 18.7317, 20.3988

Same Dimension

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



21.4135, 36.6003, 14.7406



34.4513, 63.6939, 19.1890



24.7717, 37.9436, 32.4249



8.9452, 10.0820, 9.8687



11.9773, 23.6918, 4.8022



0.4401, 0.8423, 0.2633

Inverse Universe

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



29.0509, 17.2392, 38.3565



49.1651, 26.1884, 64.5340



24.8334, 15.5522, 16.1475



9.3199, 9.1383, 11.0322



17.7621, 8.6786, 22.4318



0.6424, 0.3124, 0.8762

Previews

White Background



This preview shows how the XYZ color 21.4126, 36.5988, 14.7398 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 21.4126, 36.5988, 14.7398 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 21.4126, 36.5988, 14.7398

Background



This preview shows how black text looks on a background with the XYZ color 21.4126, 36.5988, 14.7398.



This preview shows how white text looks on a background with the XYZ color 21.4126, 36.5988,

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

21.4126, 36.5988, 14.7398

Protanopia

32.8859, 35.9744, 12.4182

Deuteranopia

36.6019, 35.7897, 15.5686



Tritanopia

29.0370, 36.3897, 53.0705

Trichromacy



Original Color

21.4126, 36.5988, 14.7398



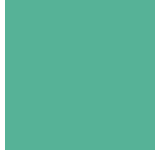
Protanomaly

26.5074, 34.8325, 13.1108



Deuteranomaly

27.9211, 34.1496, 15.0175



Tritanomaly

25.3441, 36.0536, 34.9014

Monochromacy



Original Color

21.4126, 36.5988, 14.7398



Achromatopsia

24.5403, 25.8183, 28.1161



Achromatomaly

22.0887, 28.6437, 22.1339

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.4126, 36.5988, 14.7398 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(68, 185, 86)` looks like.

```
.text, #text, p{  
    color:rgb(68, 185, 86)  
}
```

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(68, 185, 86) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(68, 185, 86) }
```

Border

The CSS property to change the border of an element to XYZ 21.4126, 36.5988, 14.7398 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(68, 185, 86) }
```


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

```
.border{ border-color:rgb(68, 185, 86) }
```

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

Here you see how a box with a 4 pixel `rgb(68, 185, 86)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(68, 185, 86); -webkit-box-  
shadow:4px 4px 4px 4px rgb(68, 185, 86);  
box-shadow:4px 4px 4px 4px rgb(68, 185,  
86) }
```

Background

The CSS property to change the background color of an element to XYZ 21.4126, 36.5988, 14.7398 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(68, 185, 86) }
```

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

```
.background{ background-color: rgb(68, 185,  
86) }
```

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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