

Converting Colors

XYZ(36.9590, 56.5928, 47.5061)

Have a look what the booklet for
XYZ(36.9590, 56.5928, 47.5061)
contains.

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Color

**XYZ(36.9534, 56.5845,
47.5023)**

Conversions

Conversions Part 1

Format	Color
Hex	55DDAB
RGB	85, 221, 171
RGB Percent	33%, 87%, 67%
CMY	0.6667, 0.1333, 0.3294
CMYK	0.62, 0.00, 0.23, 0.13
HSL	158°, 67%, 60%
HSV	158°, 62%, 87%
XYZ	36.9534, 56.5845, 47.5023
YIQ	174.6360, -65.0060, -44.3820

Conversions

Conversions Part 2

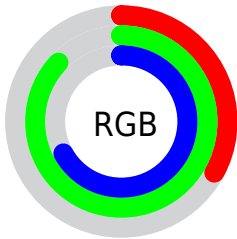
Format	Color
RYB	85, 168, 221
Decimal	5627307
CIELab	79.95, -48.63, 13.74
CIELCh	80, 50.531, 164.227
Yxy	56.5845, 0.2620, 0.4012
Android (android.graphics.Color)	4283817387 (0xFF55DDAB)
YUV	174.6360, -1.7925, -78.6108
Hunter-Lab	75.2227, -43.9509, 15.2149

Details

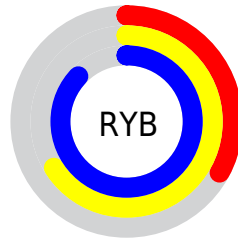
The XYZ color **36.9534, 56.5845, 47.5023** is a light color, and the websafe version is hex **33CC99**. The color can be described as light muted spring green. A complement of this color would be **37.4423, 23.6197, 25.5092**, and the grayscale version is **40.5938, 42.7078, 46.5088**.

A 20% lighter version of the original color is **61.3415, 83.1220, 84.7626**, and **16.7849, 28.2422, 22.0194** is the 20% darker color. If you saturate the color by 10%, you get **34.5010, 55.4084, 43.4688**, and if you desaturate by 10%, it is **40.0829, 58.1070, 51.8185**.

Distribution



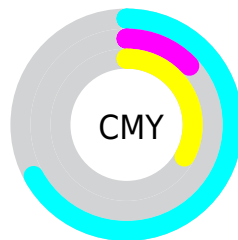
- Red (33%)
- Green (87%)
- Blue (67%)



- Red (33%)
- Yellow (66%)
- Blue (87%)



- Cyan (62%)
- Magenta (0%)
- Yellow (23%)
- Black (13%)





- Cyan (67%)
- Magenta (13%)
- Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 36.9534, 56.5845, 47.5023 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 36.9534, 56.5845, 47.5023 by changing the saturation by 10% instead.


 36.9534, 56.5845,
47.5023


 36.9534, 56.5845,
47.5023


324.4678,
411.8905, 393.2676


 25.3449, 40.6717,
33.0757


 69.8154, 99.8587,
87.8207


 16.4643, 28.0627,
21.9129


 91.7996, 127.9889,
114.5497

 9.9462, 18.3729,
13.5952


 117.9732,
160.9603, 146.2165

 5.4253, 11.2181,
7.7041

 148.7014,
199.1575, 183.2397

 2.5362, 6.2137,
3.8212

184.3496,
242.9647, 226.0379

 0.9136, 2.9755,
1.5278

225.2831,

 0.0000, 1.1189,

292.7663, 275.0296

0.2385

271.8674,
348.9468, 330.6333

■ 0.0000, 0.0000,
0.0000

■ 36.9534, 56.5845,
47.5023

■ 36.9534, 56.5845,
47.5023

■ 34.5010, 55.4084,
43.4688

■ 40.0829, 58.1070,
51.8185

■ 32.6596, 54.5405,
39.7069

■ 43.9385, 59.9968,
56.4204

■ 31.3574, 53.9453,
36.2097

■ 48.5697, 62.2807,
61.3157

■ 30.5727, 53.6010,
33.4489

■ 54.0203, 64.9813,
66.5105

■ 60.3308, 68.1192,
72.0108

67.5388, 71.7139,
77.8222

75.6798, 75.7836,
83.9503

82.2386, 79.0314,
90.2810

83.4465, 79.5146,
96.6418

Harmonies

Analogous

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



41.1699, 56.5845, 29.3623



36.9534, 56.5845, 47.5023



36.8462, 56.5845, 76.5540

Triad

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



36.9534, 56.5845, 47.5023



58.7737, 56.5845, 134.1437



69.1818, 56.5845, 30.0248

Complementary

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



36.9534, 56.5845, 47.5023



37.4423, 23.6197, 25.5092

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.



75.2441, 56.5845, 48.7510



36.9534, 56.5845, 47.5023



68.7376, 56.5845, 111.5716

Square

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



36.9534, 56.5845, 47.5023



48.5989, 56.5845, 133.4821



75.0720, 56.5845, 78.2683



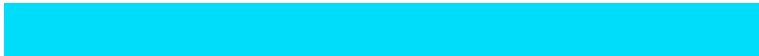
59.3208, 56.5845, 21.6841

Rectangle

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



36.9534, 56.5845, 47.5023



39.0731, 56.5845, 99.1365



75.0720, 56.5845, 78.2683



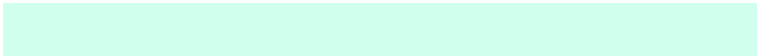
71.7841, 56.5845, 34.9978

Sweetspot

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



36.9549, 56.5868, 47.5036



77.5337, 91.2703, 94.5152



37.8363, 57.7008, 17.7382



16.0709, 19.2751, 19.7608



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



36.9549, 56.5868, 47.5036



46.8499, 76.2178, 58.4865



38.6624, 50.8804, 76.1925



13.2312, 14.7441, 15.6805



17.8157, 31.1589, 19.7268



1.1952, 2.0350, 1.4938

Inverse Universe

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



37.4423, 23.6197, 25.5092



47.6268, 26.9600, 25.8661



36.1009, 25.3108, 11.5777



13.2530, 13.1303, 14.5933



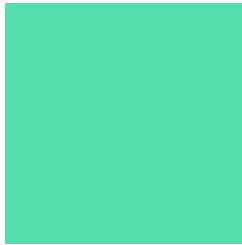
18.2405, 9.2973, 5.6468



1.2224, 0.6186, 0.5802

Previews

White Background



This preview shows how the XYZ color 36.9534, 56.5845, 47.5023 looks on a white background.

Color Contrast Check

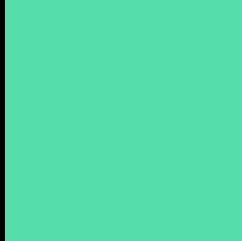
Large Text (above 18pt) WCAG AA × Fail

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 36.9534, 56.5845, 47.5023 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

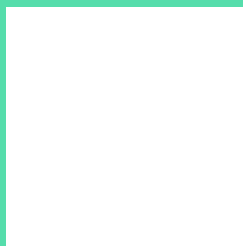
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 36.9534, 56.5845, 47.5023

Background



This preview shows how black text looks on a background with the XYZ color 36.9534, 56.5845, 47.5023.

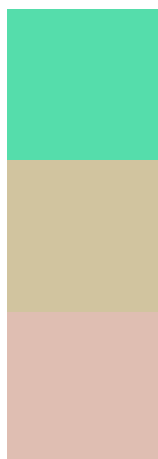


This preview shows how white text looks on a background with the XYZ color 36.9534, 56.5845,

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

36.9534, 56.5845, 47.5023

Protanopia

52.2924, 55.5384, 40.7648

Deuteranopia

56.8808, 55.7292, 49.8784



Tritanopia

44.0210, 56.3658, 83.4225

Trichromacy



Original Color

36.9534, 56.5845, 47.5023



Protanomaly

43.7520, 54.1995, 42.8059



Deuteranomaly

45.8581, 53.7527, 48.5158



Tritanomaly

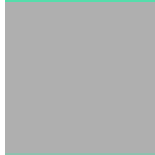
41.1015, 56.3119, 69.0246

Monochromacy



Original Color

36.9534, 56.5845, 47.5023



Achromatopsia

40.7470, 42.8690, 46.6844



Achromatomaly

37.6449, 46.5060, 47.0369

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.9534, 56.5845, 47.5023 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(85, 221, 171)` looks like.

```
.text, #text, p{  
    color:rgb(85, 221, 171)  
}
```

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(85, 221, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(85, 221, 171) }
```

Border

The CSS property to change the border of an element to XYZ 36.9534, 56.5845, 47.5023 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(85, 221, 171) }
```


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

```
.border{ border-color:rgb(85, 221, 171) }
```

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

Here you see how a box with a 4 pixel rgb(85, 221, 171) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(85, 221, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(85, 221, 171);  
box-shadow:4px 4px 4px 4px rgb(85, 221,  
171) }
```

Background

The CSS property to change the background color of an element to XYZ 36.9534, 56.5845, 47.5023 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(85, 221, 171) }
```

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

```
.background{ background-color: rgb(85, 221,  
171) }
```

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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