

Converting Colors

XYZ(36.8964, 55.7734, 47.3503)

Have a look what the booklet for
XYZ(36.8964, 55.7734, 47.3503)
contains.

XYZ(36.8987, 55.7770, 47.3493)	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(36.8987, 55.7770,
47.3493)**

Conversions

Conversions Part 1

Format	Color
Hex	5ADBAB
RGB	90, 219, 171
RGB Percent	35%, 86%, 67%
CMY	0.6470, 0.1412, 0.3294
CMYK	0.59, 0.00, 0.22, 0.14
HSL	158°, 64%, 61%
HSV	158°, 59%, 86%
XYZ	36.8987, 55.7770, 47.3493
YIQ	174.9570, -61.4760, -42.2760

Conversions

Conversions Part 2

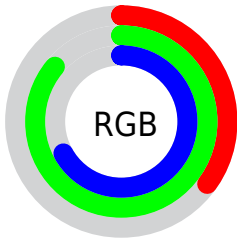
Format	Color
RYB	90, 169, 219
Decimal	5954475
CIELab	79.49, -46.83, 13.11
CIELCh	79, 48.632, 164.363
Yxy	55.7770, 0.2635, 0.3983
Android (android.graphics.Color)	4284144555 (0xFF5ADBAB)
YUV	174.9570, -1.9508, -74.5073
Hunter-Lab	74.6840, -42.5065, 14.6892

Details

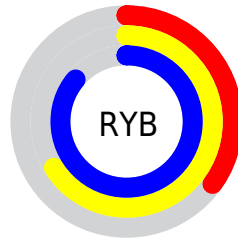
The XYZ color **36.8987, 55.7770, 47.3493** is a light color, and the websafe version is hex **33CC99**. The color can be described as light muted spring green. A complement of this color would be **37.4590, 24.2089, 26.7456**, and the grayscale version is **40.7593, 42.8819, 46.6984**.

A 20% lighter version of the original color is **62.0651, 83.4950, 84.7965**, and **16.4270, 27.5263, 21.9001** is the 20% darker color. If you saturate the color by 10%, you get **34.3213, 54.5367, 43.2988**, and if you desaturate by 10%, it is **40.1544, 57.3643, 51.6841**.

Distribution



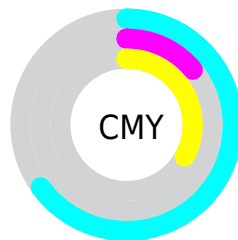
- Red (35%)
- Green (86%)
- Blue (67%)



- Red (35%)
- Yellow (66%)
- Blue (86%)



- Cyan (59%)
- Magenta (0%)
- Yellow (22%)
- Black (14%)




- Cyan (65%)
- Magenta (14%)
- Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 36.8987, 55.7770, 47.3493 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 36.8987, 55.7770, 47.3493 by changing the saturation by 10% instead.


 36.8987, 55.7770,
47.3493


 36.8987, 55.7770,
47.3493


324.2349,
408.8506, 392.6411


 25.3024, 40.0242,
32.9556


 69.7318, 98.6785,
87.5902


 16.4324, 27.5574,
21.8216


 91.6993, 126.5959,
114.2745

 9.9234, 17.9923,
13.5288


 117.8546,
159.3369, 145.8926

 5.4101, 10.9444,
7.6587

 148.5630,
197.2860, 182.8633

 2.5270, 6.0295,
3.7927

184.1898,
240.8275, 225.6049

 0.9089, 2.8630,
1.5123

225.1005,

 0.0000, 1.0606,

290.3458, 274.5360

0.2271

271.6604,
346.2254, 330.0753

■ 0.0000, 0.0000,
0.0000

■ 36.8987, 55.7770,
47.3493

■ 36.8987, 55.7770,
47.3493

■ 34.3213, 54.5367,
43.2988

■ 40.1544, 57.3643,
51.6841

■ 32.3599, 53.6072,
39.5214

■ 44.1348, 59.3181,
56.3059

■ 30.9479, 52.9555,
36.0108

■ 48.8871, 61.6641,
61.2225

■ 29.9794, 52.5272,
32.7572

■ 54.4533, 64.4238,
66.4400

■ 29.8846, 52.4858,
32.4150

■ 60.8722, 67.6173,
71.9643

■ 68.1800, 71.2629,
77.8009

■ 76.4108, 75.3784,
83.9553

■ 81.7414, 77.9926,
90.2525

■ 82.9542, 78.4777,
96.6391

Harmonies

Analogous

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



40.9305, 55.7770, 29.8084



36.8987, 55.7770, 47.3493



36.8138, 55.7770, 75.0844

Triad

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



36.8987, 55.7770, 47.3493



57.8140, 55.7770, 129.2120



67.6163, 55.7770, 30.3382

Complementary

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



36.8987, 55.7770, 47.3493



37.4590, 24.2089, 26.7456

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.



73.3826, 55.7770, 48.3355



36.8987, 55.7770, 47.3493



67.2693, 55.7770, 107.9065

Square

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



36.8987, 55.7770, 47.3493



48.1086, 55.7770, 128.7002



73.2483, 55.7770, 76.4242



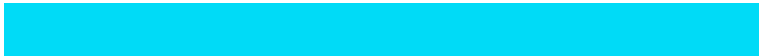
58.2428, 55.7770, 22.2491

Rectangle

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



36.8987, 55.7770, 47.3493



38.9656, 55.7770, 96.4555



73.2483, 55.7770, 76.4242



70.0892, 55.7770, 35.1376

Sweetspot

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



36.9002, 55.7792, 47.3506



77.5037, 91.2583, 94.3572



37.9016, 56.9314, 18.6650



16.0636, 19.2721, 19.7221



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.



36.9002, 55.7792, 47.3506



47.6174, 76.5887, 59.6412



38.5854, 50.4523, 74.7251



13.2287, 14.7431, 15.6671



17.7740, 31.1422, 19.5073



1.1926, 2.0340, 1.4805

Inverse Universe

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



37.4590, 24.2089, 26.7456



48.5170, 28.0835, 28.1880



36.1173, 25.9131, 12.7719



13.2554, 13.1313, 14.6062



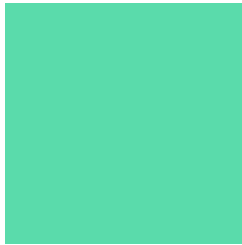
18.2626, 9.3061, 5.7627



1.2240, 0.6192, 0.5886

Previews

White Background



This preview shows how the XYZ color 36.8987, 55.7770, 47.3493 looks on a white background.

Color Contrast Check

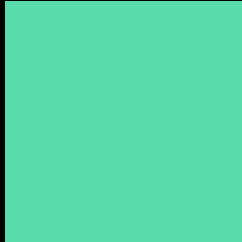
Large Text (above 18pt) WCAG AA × Fail

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 36.8987, 55.7770, 47.3493 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

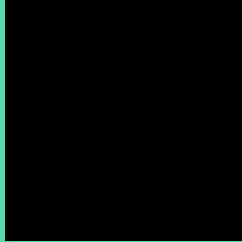
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

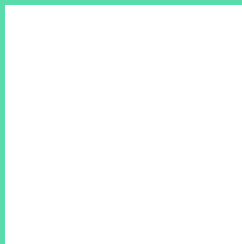
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 36.8987, 55.7770, 47.3493

Background



This preview shows how black text looks on a background with the XYZ color 36.8987, 55.7770, 47.3493.

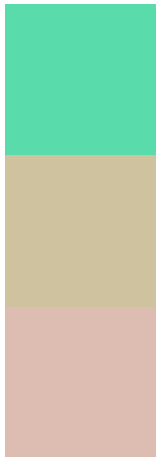


This preview shows how white text looks on a background with the XYZ color 36.8987, 55.7770,

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

36.8987, 55.7770, 47.3493

Protanopia

51.5052, 54.7988, 40.6635

Deuteranopia

56.0523, 54.9817, 49.7777



Tritanopia

43.6045, 55.4412, 81.8018

Trichromacy



Original Color

36.8987, 55.7770, 47.3493



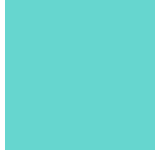
Protanomaly

43.5136, 53.7226, 42.7264



Deuteranomaly

45.6257, 53.2879, 48.4383



Tritanomaly

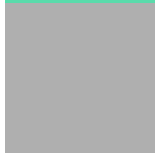
40.7885, 55.4229, 67.5794

Monochromacy



Original Color

36.8987, 55.7770, 47.3493



Achromatopsia

40.7470, 42.8690, 46.6844



Achromatomaly

37.7724, 46.2469, 46.9801

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.8987, 55.7770, 47.3493 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(90, 219, 171)` looks like.

```
.text, #text, p{  
    color:rgb(90, 219, 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(90, 219, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(90, 219, 171) }
```

Border

The CSS property to change the border of an element to XYZ 36.8987, 55.7770, 47.3493 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(90, 219, 171) }
```


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

```
.border{ border-color:rgb(90, 219, 171) }
```

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

Here you see how a box with a 4 pixel rgb(90, 219, 171) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(90, 219, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(90, 219, 171);  
box-shadow:4px 4px 4px 4px rgb(90, 219,  
171) }
```

Background

The CSS property to change the background color of an element to XYZ 36.8987, 55.7770, 47.3493 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(90, 219, 171) }
```

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

```
.background{ background-color: rgb(90, 219,  
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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