

Converting Colors

XYZ(37.8376, 53.6299, 21.8710)

Have a look what the booklet for
XYZ(37.8376, 53.6299, 21.8710)
contains.

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Color

**XYZ(37.9284, 53.8322,
22.0273)**

Conversions

Conversions Part 1

Format	Color
Hex	93D36A
RGB	147, 211, 106
RGB Percent	58%, 83%, 42%
CMY	0.4235, 0.1725, 0.5843
CMYK	0.30, 0.00, 0.50, 0.17
HSL	97°, 54%, 62%
HSV	97°, 50%, 83%
XYZ	37.9284, 53.8322, 22.0273
YIQ	179.8940, -4.4390, -46.2230

Conversions

Conversions Part 2

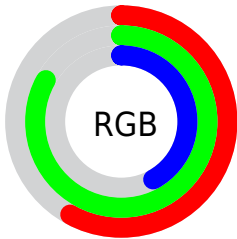
Format	Color
RYB	106, 211, 170
Decimal	9687914
CIELab	78.36, -38.63, 45.29
CIELCh	78, 59.525, 130.463
Yxy	53.8322, 0.3333, 0.4731
Android (android.graphics.Color)	4287877994 (0xFF93D36A)
YUV	179.8940, -36.4297, -28.8480
Hunter-Lab	73.3704, -36.1238, 33.5592

Details

The XYZ color **37.9284, 53.8322, 22.0273** is a light color, and the websafe version is hex **99CC66**. A complement of this color would be **33.4920, 23.5589, 64.4131**, and the grayscale version is **43.5178, 45.7841, 49.8589**.

A 20% lighter version of the original color is **66.6466, 86.7197, 46.0268**, and **17.0923, 26.3799, 7.8054** is the 20% darker color. If you saturate the color by 10%, you get **34.7848, 52.3248, 16.8404**, and if you desaturate by 10%, it is **41.6025, 55.5852, 28.6504**.

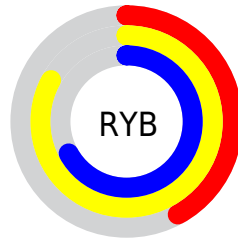
Distribution



Red (58%)

Green (83%)

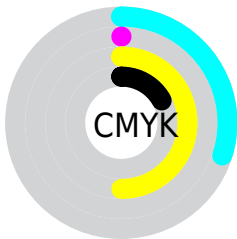
Blue (42%)



Red (42%)

Yellow (83%)

Blue (67%)

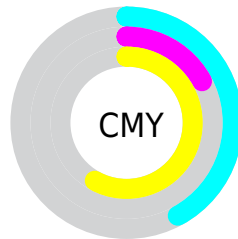


Cyan (30%)

Magenta (0%)

Yellow (50%)

Black (17%)



Cyan (42%)


Magenta (17%)


Yellow (58%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 37.9284, 53.8322, 22.0273 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 37.9284, 53.8322, 22.0273 by changing the saturation by 10% instead.


 37.9284, 53.8322,
22.0273


 37.9284, 53.8322,
22.0273


328.5989,
401.4698, 275.6470

 26.1041, 38.4675,
13.6785


 71.3030, 95.8278,
47.6939


 17.0346, 26.3457,
7.7612


 93.5840, 123.2276,
65.8487

 10.3546, 17.0825,
3.8569


 120.0812,
155.4078, 88.1092

 5.6988, 10.2933,
1.5472

 151.1601,
192.7529, 114.8941

 2.7017, 5.5939,
0.2527

187.1859,
235.6472, 146.6217

 0.9981, 2.5997,
0.0000

228.5241,

 0.0000, 0.9265,

284.4752, 183.7107

0.0000

275.5400,
339.6213, 226.5796

■ 0.0000, 0.0000,
0.0000

■ 37.9284, 53.8322,
22.0273

■ 37.9284, 53.8322,
22.0273

■ 34.7848, 52.3248,
16.8404

■ 41.6025, 55.5852,
28.6504

■ 32.1391, 51.0437,
12.9795

■ 45.8295, 57.5882,
36.8018

■ 29.9608, 49.9772,
10.3244


■ 50.6347, 59.8541,
46.5704


■ 28.2133, 49.1098,
8.7312


■ 56.0409, 62.3930,
58.0369


■ 26.8382, 48.4169,
7.9452


■ 62.0695, 65.2140,
71.2768

 26.8087, 48.4020,
7.9296

 68.7408, 68.3262,
86.3611

 76.0740, 71.7381,
103.3567

 80.7323, 74.1155,
104.6584

 82.5854, 75.0708,
104.7451

Harmonies

Analogous

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



47.1938, 53.8322, 15.3808



37.9284, 53.8322, 22.0273



32.7809, 53.8322, 39.6245

Triad

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



37.9284, 53.8322, 22.0273



44.0153, 53.8322, 142.5540



76.5880, 53.8322, 47.6898

Complementary

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



37.9284, 53.8322, 22.0273



33.4920, 23.5589, 64.4131

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.



75.3907, 53.8322, 82.8684



37.9284, 53.8322, 22.0273



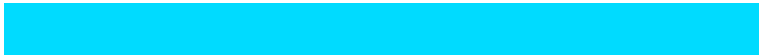
55.3548, 53.8322, 147.3713

Square

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



37.9284, 53.8322, 22.0273



35.9071, 53.8322, 111.0626



67.1725, 53.8322, 122.4513



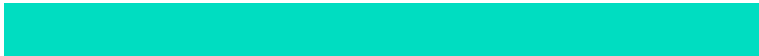
70.2307, 53.8322, 25.9917

Rectangle

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



37.9284, 53.8322, 22.0273



31.8296, 53.8322, 59.1357



67.1725, 53.8322, 122.4513



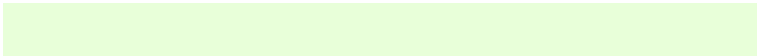
77.0768, 53.8322, 58.0956

Sweetspot

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



37.9297, 53.8345, 22.0285



81.4282, 93.6198, 79.2540



43.6557, 43.2676, 19.6871



17.0568, 19.8636, 16.1787



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.



37.9297, 53.8345, 22.0285



53.0053, 80.1333, 25.2440



32.4214, 50.9279, 24.7981



12.0866, 13.4281, 12.5669



16.2855, 29.2644, 4.7903



0.9985, 1.6816, 0.2720

Inverse Universe

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



33.4920, 23.5589, 64.4131



45.3749, 28.3598, 97.6902



42.5040, 28.3520, 58.1855



11.8453, 11.7691, 14.8910



12.6423, 5.6976, 37.6259



0.7945, 0.3637, 2.1079

Previews

White Background



This preview shows how the XYZ color 37.9284, 53.8322, 22.0273 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 37.9284, 53.8322, 22.0273 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 37.9284, 53.8322, 22.0273

Background



This preview shows how black text looks on a background with the XYZ color 37.9284, 53.8322, 22.0273.



This preview shows how white text looks on a background with the XYZ color 37.9284, 53.8322,

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

37.9284, 53.8322, 22.0273

Protanopia

48.8108, 53.2062, 19.7538

Deuteranopia

54.3821, 53.1354, 23.0127



Tritanopia

47.9990, 53.6457, 72.1148

Trichromacy



Original Color

37.9284, 53.8322, 22.0273



Protanomaly

44.0388, 53.0867, 20.4960



Deuteranomaly

46.7349, 52.4059, 22.4040



Tritanomaly

43.1944, 53.0761, 48.5256

Monochromacy



Original Color

37.9284, 53.8322, 22.0273



Achromatopsia

43.3819, 45.6411, 49.7032



Achromatomaly

40.5290, 47.8863, 37.2439

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.9284, 53.8322, 22.0273 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(147, 211, 106)` looks like.

```
.text, #text, p{  
    color:rgb(147, 211, 106)  
}
```

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(147, 211, 106) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(147, 211, 106) }
```

Border

The CSS property to change the border of an element to XYZ 37.9284, 53.8322, 22.0273 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(147, 211, 106) }
```


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

```
.border{ border-color:rgb(147, 211, 106) }
```

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

Here you see how a box with a 4 pixel `rgb(147, 211, 106)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(147, 211, 106); -webkit-box-  
shadow:4px 4px 4px 4px rgb(147, 211, 106);  
box-shadow:4px 4px 4px 4px rgb(147, 211,  
106) }
```

Background

The CSS property to change the background color of an element to XYZ 37.9284, 53.8322, 22.0273 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(147, 211, 106) }
```

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

```
.background{ background-color: rgb(147,  
211, 106) }
```

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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