

Converting Colors

XYZ(39.9783, 53.5375, 28.3340)

Have a look what the booklet for
XYZ(39.9783, 53.5375, 28.3340)
contains.

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Color

**XYZ(40.0969, 53.7120,
28.3328)**

Conversions

Conversions Part 1

Format	Color
Hex	9CD07F
RGB	156, 208, 127
RGB Percent	61%, 82%, 50%
CMY	0.3882, 0.1843, 0.5020
CMYK	0.25, 0.00, 0.39, 0.18
HSL	99°, 46%, 66%
HSV	99°, 39%, 82%
XYZ	40.0969, 53.7120, 28.3328
YIQ	183.2180, -4.9910, -36.2150

Conversions

Conversions Part 2

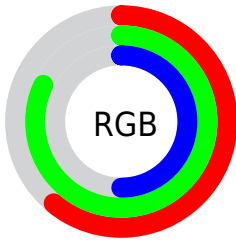
Format	Color
RYB	127, 208, 179
Decimal	10276991
CIELab	78.29, -31.44, 34.89
CIELCh	78, 46.966, 132.023
Yxy	53.7120, 0.3283, 0.4398
Android (android.graphics.Color)	4288467071 (0xFF9CD07F)
YUV	183.2180, -27.7155, -23.8702
Hunter-Lab	73.2885, -30.5956, 28.3808

Details

The XYZ color **40.0969, 53.7120, 28.3328** is a light color, and the websafe version is hex **99CC66**. A complement of this color would be **37.5674, 29.3182, 63.3565**, and the grayscale version is **45.2800, 47.6380, 51.8778**.

A 20% lighter version of the original color is **71.2519, 88.8532, 57.1111**, and **18.2893, 26.1878, 10.9283** is the 20% darker color. If you saturate the color by 10%, you get **36.4355, 51.9669, 21.8010**, and if you desaturate by 10%, it is **44.3250, 55.7202, 36.3541**.

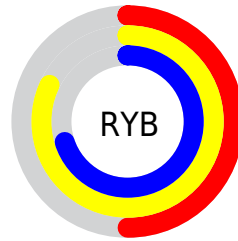
Distribution



Red (61%)

Green (82%)

Blue (50%)



Red (50%)

Yellow (82%)

Blue (70%)

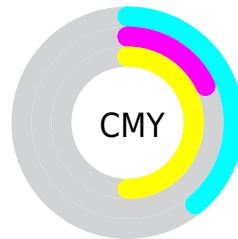


Cyan (25%)

Magenta (0%)

Yellow (39%)

Black (18%)



Cyan (39%)

Magenta (18%)

Yellow (50%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 40.0969, 53.7120, 28.3328 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 40.0969, 53.7120, 28.3328 by changing the saturation by 10% instead.

■ 40.0969, 53.7120,
28.3328

■ 40.0969, 53.7120,
28.3328

337.6592,
401.0108, 308.0156

■ 27.7987, 38.3715,
18.3355

■ 74.5944, 95.6512,
58.0448

■ 18.3136, 26.2711,
11.0192

■ 97.5245, 123.0187,
78.5966

■ 11.2764, 17.0266,
5.9654

■ 124.7291,
155.1640, 103.5035

■ 6.3217, 10.2534,
2.7556

156.5737,
192.4715, 133.1843

■ 3.0842, 5.5673,
0.9712

193.4237,
235.3255, 168.0573

■ 1.1984, 2.5838,
0.0000

235.6444,

■ 0.1051, 0.9185,

284.1104, 208.5412

0.0000

283.6011,
339.2108, 255.0544

■ 0.0000, 0.0000,
0.0000

■ 40.0969, 53.7120,
28.3328

■ 40.0969, 53.7120,
28.3328

■ 36.4355, 51.9669,
21.8010

■ 44.3250, 55.7202,
36.3541

■ 33.3103, 50.4663,
16.6635

■ 49.1404, 57.9953,
45.9454

■ 30.6938, 49.1998,
12.8194


■ 54.5675, 60.5499,
57.1855

■ 28.5537, 48.1534,
10.1528


■ 60.6279, 63.3935,
70.1470

■ 26.8535, 47.3111,
8.5272


■ 67.3424, 66.5354,
84.8981

 25.5396, 46.6502,
7.7215

 74.7305, 69.9842,
101.5032

 25.4168, 46.5883,
7.6528

 79.8450, 72.5620,
104.4053

 81.8470, 73.5940,
104.4990

Harmonies

Analogous

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



47.4530, 53.7120, 21.5974



40.0969, 53.7120, 28.3328



36.0002, 53.7120, 44.1934

Triad

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



40.0969, 53.7120, 28.3328



45.7820, 53.7120, 121.1559



70.3915, 53.7120, 48.5476

Complementary

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



40.0969, 53.7120, 28.3328



37.5674, 29.3182, 63.3565

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.



69.8038, 53.7120, 75.5626



40.0969, 53.7120, 28.3328



54.8277, 53.7120, 123.3836

Square

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



40.0969, 53.7120, 28.3328



39.0006, 53.7120, 99.3988



63.8394, 53.7120, 104.7950



65.3599, 53.7120, 30.6915

Rectangle

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



40.0969, 53.7120, 28.3328



35.3286, 53.7120, 60.2910



63.8394, 53.7120, 104.7950



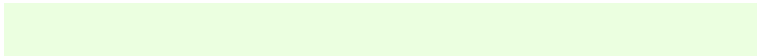
70.8598, 53.7120, 56.7119

Sweetspot

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



40.0982, 53.7143, 28.3340



83.6470, 94.6461, 84.6656



45.8256, 46.9048, 26.7177



17.6573, 20.1422, 17.6093



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.



40.0982, 53.7143, 28.3340



58.5164, 82.7449, 35.8643



35.8829, 51.4555, 32.0106



12.0500, 13.4092, 12.5652



15.9367, 29.0846, 4.7739



0.9767, 1.6704, 0.2709

Inverse Universe

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



37.5674, 29.3182, 63.3565



53.9138, 38.6011, 99.2169



43.7049, 32.6305, 56.9410



11.8832, 11.7886, 14.8928



13.2864, 6.0297, 37.6561



0.8277, 0.3809, 2.1095

Previews

White Background



This preview shows how the XYZ color 40.0969, 53.7120, 28.3328 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 40.0969, 53.7120, 28.3328 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

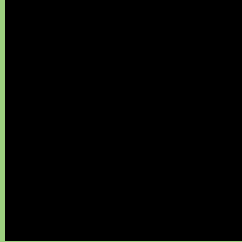
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 40.0969, 53.7120, 28.3328

Background



This preview shows how black text looks on a background with the XYZ color 40.0969, 53.7120, 28.3328.



This preview shows how white text looks on a background with the XYZ color 40.0969, 53.7120,

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

40.0969, 53.7120, 28.3328

Protanopia

49.0995, 53.2220, 25.7742

Deuteranopia

54.4688, 53.3528, 29.2571



Tritanopia

48.7819, 53.7383, 70.7522

Trichromacy



Original Color

40.0969, 53.7120, 28.3328

Protanomaly

45.0044, 52.7654, 26.5516

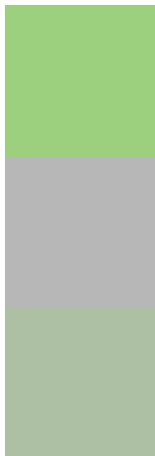
Deuteranomaly

48.0011, 52.5890, 28.7399

Tritanomaly

45.0811, 53.6178, 52.2292

Monochromacy



Original Color

40.0969, 53.7120, 28.3328

Achromatopsia

45.0092, 47.3531, 51.5676

Achromatomaly

42.6941, 49.2279, 41.9020

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.0969, 53.7120, 28.3328 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(156, 208, 127)` looks like.

```
.text, #text, p{  
    color:rgb(156, 208, 127)  
}
```

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(156, 208, 127) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 208, 127) }
```

Border

The CSS property to change the border of an element to XYZ 40.0969, 53.7120, 28.3328 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(156, 208, 127) }
```


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

```
.border{ border-color:rgb(156, 208, 127) }
```

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

Here you see how a box with a 4 pixel rgb(156, 208, 127) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(156, 208, 127); -webkit-box-  
shadow:4px 4px 4px 4px rgb(156, 208, 127);  
box-shadow:4px 4px 4px 4px rgb(156, 208,  
127) }
```

Background

The CSS property to change the background color of an element to XYZ 40.0969, 53.7120, 28.3328 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(156, 208, 127) }
```

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

```
.background{ background-color: rgb(156,  
208, 127) }
```

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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