

Converting Colors

XYZ(40.5052, 52.1564, 20.7487)

Have a look what the booklet for
XYZ(40.5052, 52.1564, 20.7487)
contains.

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Color

**XYZ(40.5987, 52.3491,
20.7966)**

Conversions

Conversions Part 1

Format	Color
Hex	ABCB67
RGB	171, 203, 103
RGB Percent	67%, 80%, 40%
CMY	0.3294, 0.2039, 0.5961
CMYK	0.16, 0.00, 0.49, 0.20
HSL	79°, 49%, 60%
HSV	79°, 49%, 80%
XYZ	40.5987, 52.3491, 20.7966
YIQ	182.0320, 13.0280, -37.8840

Conversions

Conversions Part 2

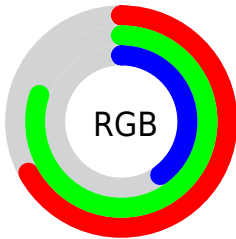
Format	Color
RYB	103, 203, 135
Decimal	11258727
CIELab	77.49, -26.42, 46.01
CIELCh	77, 53.053, 119.862
Yxy	52.3491, 0.3569, 0.4602
Android (android.graphics.Color)	4289448807 (0xFFABCB67)
YUV	182.0320, -38.9628, -9.6751
Hunter-Lab	72.3527, -26.4569, 33.6049

Details

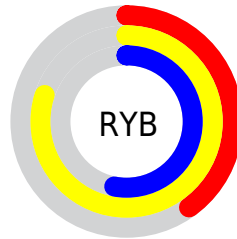
The XYZ color **40.5987, 52.3491, 20.7966** is a light color, and the websafe version is hex **99CC66**. A complement of this color would be **25.6236, 19.1647, 58.8516**, and the grayscale version is **44.6826, 47.0096, 51.1935**.

A 20% lighter version of the original color is **73.7557, 90.4143, 45.0169**, and **18.7034, 25.5247, 7.1898** is the 20% darker color. If you saturate the color by 10%, you get **38.3208, 51.2802, 16.0019**, and if you desaturate by 10%, it is **43.1961, 53.5574, 26.8996**.

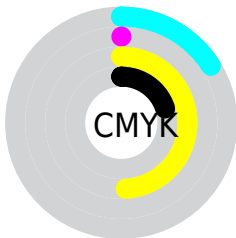
Distribution



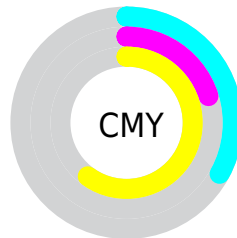
- Red (67%)
- Green (80%)
- Blue (40%)



- Red (40%)
- Yellow (80%)
- Blue (53%)



- Cyan (16%)
- Magenta (0%)
- Yellow (49%)
- Black (20%)



- Cyan (33%)
- Magenta (20%)
- Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 40.5987, 52.3491, 20.7966 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 40.5987, 52.3491, 20.7966 by changing the saturation by 10% instead.

■ 40.5987, 52.3491,
20.7966

■ 40.5987, 52.3491,
20.7966

339.7319,
395.7828, 268.9410

■ 28.1919, 37.2834,
12.7856

■ 75.3529, 93.6459,
45.6252

■ 18.6116, 25.4270,
7.1521

■ 98.4310, 120.6458,
63.2798

■ 11.4923, 16.3955,
3.4775

■ 125.7970,
152.3925, 84.9861

■ 6.4687, 9.8044,
1.3433

■ 157.8162,
189.2705, 111.1626

■ 3.1755, 5.2695,
0.0969

194.8539,
231.6641, 142.2278

■ 1.2472, 2.4062,
0.0000

237.2755,

■ 0.1432, 0.8291,

279.9578, 178.6002

0.0000

285.4464,
334.5359, 220.6984

■ 0.0000, 0.0000,
0.0000

■ 40.5987, 52.3491,
20.7966

■ 40.5987, 52.3491,
20.7966

■ 38.3208, 51.2802,
16.0019

■ 43.1961, 53.5574,
26.8996

■ 36.3393, 50.3361,
12.4160

■ 46.1266, 54.9053,
34.3937

■ 34.6339, 49.5102,
9.9310


■ 49.4074, 56.4016,
43.3592


■ 33.1791, 48.7921,
8.4181

■ 53.0532, 58.0522,
53.8691


■ 31.9319, 48.1647,
7.6568


■ 57.0778, 59.8628,
65.9914

 31.8440, 48.1204,
7.6098

 61.4945, 61.8389,
79.7904

 66.3155, 63.9853,
95.3265

 69.8312, 65.6184,
103.5929

 71.8715, 66.6702,
103.6883

Harmonies

Analogous

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



49.8036, 52.3491, 17.2097



40.5987, 52.3491, 20.7966



34.6225, 52.3491, 33.1537

Triad

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



40.5987, 52.3491, 20.7966



40.5272, 52.3491, 120.8419



72.1089, 52.3491, 57.1349

Complementary

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



40.5987, 52.3491, 20.7966



25.6236, 19.1647, 58.8516

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.



68.7601, 52.3491, 90.1844



40.5987, 52.3491, 20.7966



49.7090, 52.3491, 133.8374

Square

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



40.5987, 52.3491, 20.7966



34.5854, 52.3491, 89.8661



60.1967, 52.3491, 121.0656



68.8188, 52.3491, 33.3175

Rectangle

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



40.5987, 52.3491, 20.7966



32.8099, 52.3491, 47.6555



60.1967, 52.3491, 121.0656



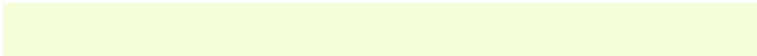
71.7168, 52.3491, 67.4909

Sweetspot

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



40.6000, 52.3514, 20.7977



85.1307, 95.5285, 79.4273



35.6963, 30.9126, 16.9181



17.9481, 20.3231, 16.2204



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.



40.6000, 52.3514, 20.7977



63.9768, 85.7744, 26.4278



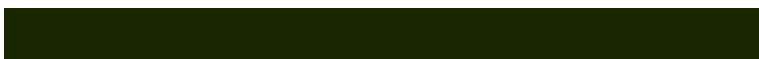
31.7378, 47.7828, 20.3830



11.7911, 12.9097, 11.9498



20.3627, 30.6726, 4.8472



1.1273, 1.6220, 0.2537

Inverse Universe

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



25.6236, 19.1647, 58.8516



36.1363, 23.9749, 97.3308



35.5590, 24.2865, 59.3166



10.9341, 11.0153, 14.1203



8.3307, 3.5022, 36.1932



0.5089, 0.2215, 1.8709

Previews

White Background



This preview shows how the XYZ color 40.5987, 52.3491, 20.7966 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 40.5987, 52.3491, 20.7966 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 40.5987, 52.3491, 20.7966

Background



This preview shows how black text looks on a background with the XYZ color 40.5987, 52.3491, 20.7966.



This preview shows how white text looks on a background with the XYZ color 40.5987, 52.3491,

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

40.5987, 52.3491, 20.7966

Protanopia

47.7469, 52.0113, 19.3270

Deuteranopia

53.0390, 51.8622, 21.4023



Tritanopia

49.6605, 51.9569, 66.4428

Trichromacy



Original Color

40.5987, 52.3491, 20.7966

Protanomaly

44.5803, 51.6861, 19.6834

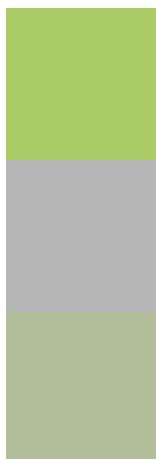
Deuteranomaly

47.5933, 51.5692, 21.0811

Tritanomaly

45.2669, 51.4785, 45.0866

Monochromacy



Original Color

40.5987, 52.3491, 20.7966

Achromatopsia

44.4628, 46.7784, 50.9417

Achromatomaly

42.5233, 48.5918, 37.2749

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.5987, 52.3491, 20.7966 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(171, 203, 103)` looks like.

```
.text, #text, p{  
    color:rgb(171, 203, 103)  
}
```

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(171, 203, 103) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 203, 103) }
```

Border

The CSS property to change the border of an element to XYZ 40.5987, 52.3491, 20.7966 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(171, 203, 103) }
```


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

```
.border{ border-color:rgb(171, 203, 103) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 203, 103)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 203, 103); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 203, 103);  
box-shadow:4px 4px 4px 4px rgb(171, 203,  
103) }
```

Background

The CSS property to change the background color of an element to XYZ 40.5987, 52.3491, 20.7966 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 203, 103) }
```

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

```
.background{ background-color: rgb(171,  
203, 103) }
```

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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