

Converting Colors

XYZ(40.5562, 51.5601, 24.0421)

Have a look what the booklet for
XYZ(40.5562, 51.5601, 24.0421)
contains.

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Color

**XYZ(40.5587, 51.5571,
24.0335)**

Conversions

Conversions Part 1

Format	Color
Hex	AAC973
RGB	170, 201, 115
RGB Percent	67%, 79%, 45%
CMY	0.3333, 0.2117, 0.5490
CMYK	0.15, 0.00, 0.43, 0.21
HSL	82°, 44%, 62%
HSV	82°, 43%, 79%
XYZ	40.5587, 51.5571, 24.0335
YIQ	181.9270, 9.1300, -33.3180

Conversions

Conversions Part 2

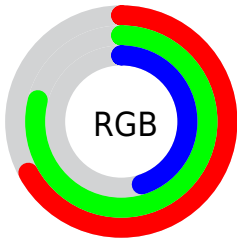
Format	Color
RYB	115, 201, 146
Decimal	11192691
CIELab	77.02, -24.50, 39.50
CIELCh	77, 46.481, 121.805
Yxy	51.5571, 0.3492, 0.4439
Android (android.graphics.Color)	4289382771 (0xFFAAC973)
YUV	181.9270, -32.9950, -10.4600
Hunter-Lab	71.8033, -24.8285, 30.4171

Details

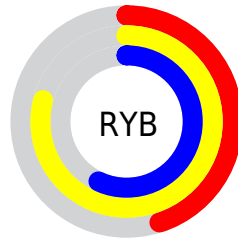
The XYZ color **40.5587, 51.5571, 24.0335** is a light color, and the websafe version is hex **99CC66**. A complement of this color would be **28.5295, 22.5909, 58.1180**, and the grayscale version is **44.5953, 46.9177, 51.0934**.

A 20% lighter version of the original color is **74.1919, 90.5159, 50.6068**, and **18.5903, 24.9621, 8.8394** is the 20% darker color. If you saturate the color by 10%, you get **38.0027, 50.3605, 18.5207**, and if you desaturate by 10%, it is **43.4558, 52.9037, 30.8807**.

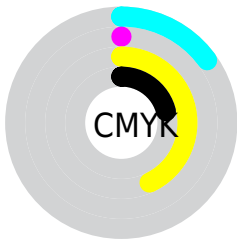
Distribution



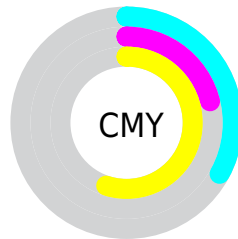
- Red (67%)
- Green (79%)
- Blue (45%)



- Red (45%)
- Yellow (79%)
- Blue (57%)



- Cyan (15%)
- Magenta (0%)
- Yellow (43%)
- Black (21%)



- Cyan (33%)
- Magenta (21%)
- Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 40.5587, 51.5571, 24.0335 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 40.5587, 51.5571, 24.0335 by changing the saturation by 10% instead.

■ 40.5587, 51.5571,
24.0335

■ 40.5587, 51.5571,
24.0335

339.5670,
392.7244, 286.2818

■ 28.1606, 36.6522,
15.1460

■ 75.2925, 92.4777,
51.0294

■ 18.5878, 24.9383,
8.7742

■ 98.3588, 119.2622,
69.9749

■ 11.4751, 16.0311,
4.4994

■ 125.7120,
150.7753, 93.1101

■ 6.4570, 9.5462,
1.9031

157.7173,
187.4015, 120.8537

■ 3.1682, 5.0991,
0.4947

194.7401,
229.5251, 153.6241

■ 1.2433, 2.3055,
0.0000

237.1457,

■ 0.1402, 0.7766,

277.5305, 191.8399

0.0000

285.2996,
331.8021, 235.9196

■ 0.0000, 0.0000,
0.0000

■ 40.5587, 51.5571,
24.0335

■ 40.5587, 51.5571,
24.0335

■ 38.0027, 50.3605,
18.5207

■ 43.4558, 52.9037,
30.8807

■ 35.7661, 49.2996,
14.2517

■ 46.7067, 54.4002,
39.1385

■ 33.8302, 48.3687,
11.1300


■ 50.3277, 56.0550,
48.8812


■ 32.1722, 47.5584,
9.0432


■ 54.3332, 57.8741,
60.1769


■ 30.7650, 46.8578,
7.8565


■ 58.7365, 59.8628,
73.0895

 29.8714, 46.4067,
7.3830

 63.5503, 62.0264,
87.6793

 68.6728, 64.3244,
103.4042

 70.9235, 65.4847,
103.5095

 73.2706, 66.6947,
103.6193

Harmonies

Analogous

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



48.4686, 51.5571, 20.1182



40.5587, 51.5571, 24.0335



35.4648, 51.5571, 36.0887

Triad

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



40.5587, 51.5571, 24.0335



41.3839, 51.5571, 111.0814



68.0888, 51.5571, 54.6135

Complementary

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



40.5587, 51.5571, 24.0335



28.5295, 22.5909, 58.1180

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.



65.6118, 51.5571, 82.5013



40.5587, 51.5571, 24.0335



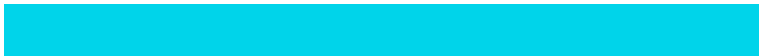
49.5423, 51.5571, 120.4220

Square

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



40.5587, 51.5571, 24.0335



35.8993, 51.5571, 85.9915



58.5459, 51.5571, 108.6758



64.9618, 51.5571, 34.1414

Rectangle

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



40.5587, 51.5571, 24.0335



33.9957, 51.5571, 49.4627



58.5459, 51.5571, 108.6758



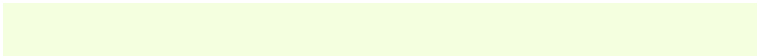
67.8828, 51.5571, 63.3861

Sweetspot

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



40.5600, 51.5594, 24.0346



85.9038, 95.8493, 82.9750



37.3245, 33.9384, 20.8039



18.0792, 20.3754, 16.9175



0.0000, 0.0000, 0.0000



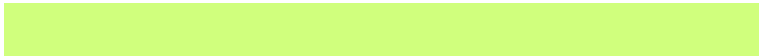
20.3446, 21.4041, 23.3091

Same Dimension

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



40.5600, 51.5594, 24.0346



65.5035, 86.4261, 32.6148



32.8698, 47.5950, 23.6747



11.1387, 12.2184, 11.3341



18.8841, 29.2304, 4.6467



0.9713, 1.4238, 0.2236

Inverse Universe

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



28.5295, 22.5909, 58.1180



42.3542, 30.6265, 98.2869



37.4389, 27.1839, 58.5350



10.4116, 10.4705, 13.3897



8.4227, 3.5763, 34.9907



0.4779, 0.2101, 1.6605

Previews

White Background



This preview shows how the XYZ color 40.5587, 51.5571, 24.0335 looks on a white background.

Color Contrast Check

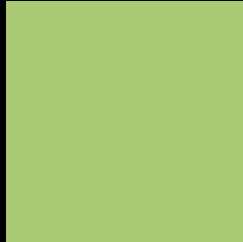
Large Text (above 18pt) WCAG AA × Fail

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 40.5587, 51.5571, 24.0335 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 40.5587, 51.5571, 24.0335

Background



This preview shows how black text looks on a background with the XYZ color 40.5587, 51.5571, 24.0335.



This preview shows how white text looks on a background with the XYZ color 40.5587, 51.5571,

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

40.5587, 51.5571, 24.0335

Protanopia

47.2951, 51.3845, 22.4644

Deuteranopia

52.2271, 51.0618, 24.8726



Tritanopia

48.8454, 51.2282, 65.7061

Trichromacy



Original Color

40.5587, 51.5571, 24.0335

Protanomaly

44.4646, 51.2228, 22.8727

Deuteranomaly

47.2657, 50.6843, 24.4314

Tritanomaly

45.1947, 51.0657, 47.0098

Monochromacy



Original Color

40.5587, 51.5571, 24.0335

Achromatopsia

44.4628, 46.7784, 50.9417

Achromatomaly

42.7292, 48.3288, 39.4241

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.5587, 51.5571, 24.0335 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(170, 201, 115)` looks like.

```
.text, #text, p{  
    color:rgb(170, 201, 115)  
}
```

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(170, 201, 115) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 201, 115) }
```

Border

The CSS property to change the border of an element to XYZ 40.5587, 51.5571, 24.0335 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(170, 201, 115) }
```


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

```
.border{ border-color:rgb(170, 201, 115) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 201, 115)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 201, 115); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 201, 115);  
box-shadow:4px 4px 4px 4px rgb(170, 201,  
115) }
```

Background

The CSS property to change the background color of an element to XYZ 40.5587, 51.5571, 24.0335 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 201, 115) }
```

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

```
.background{ background-color: rgb(170,  
201, 115) }
```

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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