

Converting Colors

XYZ(29.5990, 41.0737, 24.2689)

Have a look what the booklet for
XYZ(29.5990, 41.0737, 24.2689)
contains.

XYZ(29.4065, 40.8339, 24.1011)	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(29.4065, 40.8339,
24.1011)**

Conversions

Conversions Part 1

Format	Color
Hex	7DBA78
RGB	125, 186, 120
RGB Percent	49%, 73%, 47%
CMY	0.5098, 0.2706, 0.5294
CMYK	0.33, 0.00, 0.35, 0.27
HSL	115°, 32%, 60%
HSV	115°, 35%, 73%
XYZ	29.4065, 40.8339, 24.1011
YIQ	160.2370, -15.1700, -33.4580

Conversions

Conversions Part 2

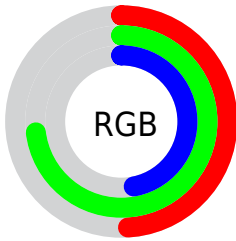
Format	Color
RYB	120, 186, 181
Decimal	8239736
CIELab	70.06, -32.77, 27.40
CIELCh	70, 42.715, 140.107
Yxy	40.8339, 0.3117, 0.4328
Android (android.graphics.Color)	4286429816 (0xFF7DBA78)
YUV	160.2370, -19.8368, -30.9028
Hunter-Lab	63.9014, -29.6844, 22.3691

Details

The XYZ color **29.4065, 40.8339, 24.1011** is a dark color, and the websafe version is hex **99CC99**. A complement of this color would be **34.6374, 26.8031, 49.8046**, and the grayscale version is **33.6175, 35.3683, 38.5160**.

A 20% lighter version of the original color is **57.8854, 76.1051, 51.1740**, and **12.1362, 18.3739, 8.8681** is the 20% darker color. If you saturate the color by 10%, you get **26.0895, 39.2432, 18.6149**, and if you desaturate by 10%, it is **33.3793, 42.7398, 30.7643**.

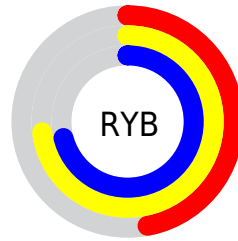
Distribution



Red (49%)

Green (73%)

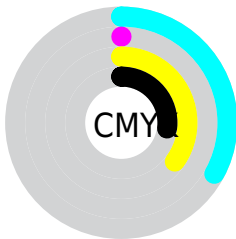
Blue (47%)



Red (47%)

Yellow (73%)

Blue (71%)

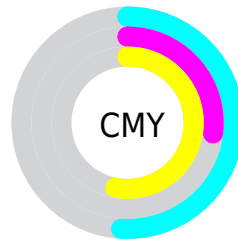


Cyan (33%)

Magenta (0%)

Yellow (35%)

Black (27%)



Cyan (51%)

Magenta (27%)

Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.4065, 40.8339, 24.1011 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 29.4065, 40.8339, 24.1011 by changing the saturation by 10% instead.

■ 29.4065, 40.8339,
24.1011

■ 29.4065, 40.8339,
24.1011

291.0879,
349.6259, 286.6342

■ 19.5344, 28.1893,
15.1957

■ 58.1154, 76.4317,
51.1410

■ 12.1633, 18.4684,
8.8087

■ 77.6829, 100.1537,
70.1127

■ 6.9280, 11.2868,
4.5215

■ 101.2129,
128.3369, 93.2768

■ 3.4630, 6.2601,
1.9156

129.0708,
161.3658, 121.0520

■ 1.4031, 3.0039,
0.5026

161.6218,
199.6248, 153.8569

■ 0.2584, 1.1338,
0.0000

199.2315,

■ 0.0000, 0.0066,

243.4982, 192.1098

0.0000

242.2650,
293.3704, 236.2294

■ 0.0000, 0.0000,
0.0000

■ 29.4065, 40.8339,
24.1011

■ 29.4065, 40.8339,
24.1011

■ 26.0895, 39.2432,
18.6149

■ 33.3793, 42.7398,
30.7643

■ 23.3901, 37.9457,
14.2349

■ 38.0372, 44.9710,
38.6646

■ 21.2709, 36.9251,
10.8866


■ 43.4117, 47.5437,
47.8610


■ 19.6890, 36.1611,
8.4857


■ 49.5312, 50.4713,
58.4082


■ 18.5959, 35.6308,
6.9342

■ 56.4227, 53.7666,
70.3575

 17.9334, 35.3068,
6.1109

 64.1118, 57.4419,
83.7579

 17.7422, 35.2136,
5.8618

 72.6230, 61.5086,
98.6555

 76.8498, 63.5995,
102.8333

Harmonies

Analogous

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



34.3822, 40.8339, 17.2722



29.4065, 40.8339, 24.1011



27.0447, 40.8339, 38.1848

Triad

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



29.4065, 40.8339, 24.1011



36.5531, 40.8339, 94.0311



52.8125, 40.8339, 32.5240

Complementary

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



29.4065, 40.8339, 24.1011



34.6374, 26.8031, 49.8046

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.



53.5748, 40.8339, 51.3901



29.4065, 40.8339, 24.1011



43.6055, 40.8339, 91.1459

Square

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



29.4065, 40.8339, 24.1011



30.8317, 40.8339, 80.9087



50.0340, 40.8339, 73.9154



48.0613, 40.8339, 21.0282

Rectangle

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



29.4065, 40.8339, 24.1011



27.0516, 40.8339, 51.5458



50.0340, 40.8339, 73.9154



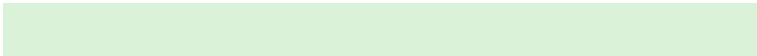
53.5640, 40.8339, 38.0574

Sweetspot

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



29.4075, 40.8356, 24.1020



72.9700, 83.4375, 76.9558



40.0641, 44.6421, 24.2751



15.7828, 18.2372, 16.4574



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438

Same Dimension

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



29.4075, 40.8356, 24.1020



48.2690, 71.5989, 35.3520



30.6117, 41.2351, 34.1568



8.9517, 10.0917, 9.5830



11.9617, 23.7028, 3.9446



0.4430, 0.8466, 0.1401

Inverse Universe

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



34.6374, 26.8031, 49.8046



59.2152, 42.1801, 89.2220



33.1823, 26.3590, 35.9142



9.3120, 9.1272, 11.3504



17.4241, 8.2936, 31.9356



0.6343, 0.3027, 1.1267

Previews

White Background



This preview shows how the XYZ color 29.4065, 40.8339, 24.1011 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 29.4065, 40.8339, 24.1011 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 29.4065, 40.8339, 24.1011

Background



This preview shows how black text looks on a background with the XYZ color 29.4065, 40.8339, 24.1011.



This preview shows how white text looks on a background with the XYZ color 29.4065, 40.8339,

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

29.4065, 40.8339, 24.1011

Protanopia

37.4196, 40.2786, 21.7219

Deuteranopia

41.1560, 40.2316, 24.9984



Tritanopia

35.6073, 40.6091, 55.2519

Trichromacy



Original Color

29.4065, 40.8339, 24.1011

Protanomaly

33.7820, 40.0982, 22.4822

Deuteranomaly

35.5936, 39.5546, 24.4977

Tritanomaly

32.7857, 40.3457, 41.6568

Monochromacy



Original Color

29.4065, 40.8339, 24.1011

Achromatopsia

33.4132, 35.1533, 38.2819

Achromatomaly

31.3314, 36.6233, 32.2057

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.4065, 40.8339, 24.1011 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(125, 186, 120)` looks like.

```
.text, #text, p{  
    color:rgb(125, 186, 120)  
}
```

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(125, 186, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(125, 186, 120) }
```

Border

The CSS property to change the border of an element to XYZ 29.4065, 40.8339, 24.1011 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(125, 186, 120) }
```


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

```
.border{ border-color:rgb(125, 186, 120) }
```

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

Here you see how a box with a 4 pixel rgb(125, 186, 120) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(125, 186, 120); -webkit-box-  
shadow:4px 4px 4px 4px rgb(125, 186, 120);  
box-shadow:4px 4px 4px 4px rgb(125, 186,  
120) }
```

Background

The CSS property to change the background color of an element to XYZ 29.4065, 40.8339, 24.1011 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(125, 186, 120) }
```

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

```
.background{ background-color: rgb(125,  
186, 120) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor