

Converting Colors

XYZ(24.4561, 41.2226, 13.3012)

Have a look what the booklet for
XYZ(24.4561, 41.2226, 13.3012)
contains.

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Color

**XYZ(24.3995, 41.0700,
13.2979)**

Conversions

Conversions Part 1

Format	Color
Hex	56C24B
RGB	86, 194, 75
RGB Percent	34%, 76%, 29%
CMY	0.6627, 0.2392, 0.7059
CMYK	0.56, 0.00, 0.61, 0.24
HSL	114°, 49%, 53%
HSV	114°, 61%, 76%
XYZ	24.3995, 41.0700, 13.2979
YIQ	148.1420, -26.1690, -59.9050

Conversions

Conversions Part 2

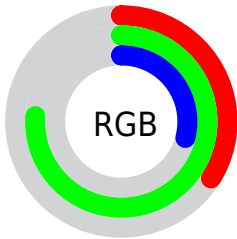
Format	Color
RYB	75, 194, 183
Decimal	5685835
CIELab	70.22, -53.89, 49.43
CIElCh	70, 73.127, 137.467
Yxy	41.0700, 0.3098, 0.5214
Android (android.graphics.Color)	4283875915 (0xFF56C24B)
YUV	148.1420, -36.0590, -54.4985
Hunter-Lab	64.0859, -44.1898, 32.5574

Details

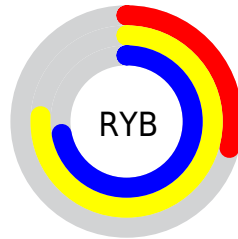
The XYZ color **24.3995, 41.0700, 13.2979** is a dark color, and the websafe version is hex **66CC66**. The color can be described as dark muted green. A complement of this color would be **31.7845, 18.9960, 53.0325**, and the grayscale version is **28.3621, 29.8392, 32.4949**.

A 20% lighter version of the original color is **50.0705, 76.5726, 32.5631**, and **9.4127, 18.5445, 3.6994** is the 20% darker color. If you saturate the color by 10%, you get **22.4081, 40.1100, 10.2517**, and if you desaturate by 10%, it is **26.9946, 42.3203, 17.4308**.

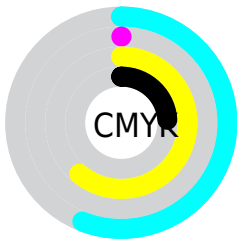
Distribution



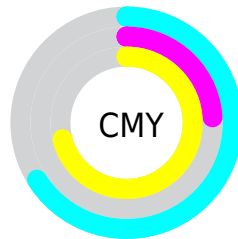
- Red (34%)
- Green (76%)
- Blue (29%)



- Red (29%)
- Yellow (76%)
- Blue (72%)



- Cyan (56%)
- Magenta (0%)
- Yellow (61%)
- Black (24%)





- Cyan (66%)
- Magenta (24%)
- Yellow (71%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 24.3995, 41.0700, 13.2979 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 24.3995, 41.0700, 13.2979 by changing the saturation by 10% instead.


 24.3995, 41.0700,
13.2979


 24.3995, 41.0700,
13.2979


267.2372,
350.6131, 224.0926


 15.7566, 28.3738,
7.5009


 50.1313, 76.7901,
32.5369


 9.4418, 18.6076,
3.6941


 67.9509, 100.5829,
46.8160


 5.0899, 11.3871,
1.4591


 89.5600, 128.8432,
64.7596

 2.3354, 6.3278,
0.1872

 115.3241,
161.9556, 86.7861

 0.8127, 3.0454,
0.0000

 145.6086,
200.3043, 113.3141

 0.0000, 1.1555,
0.0000

180.7786,

 0.0000, 0.0249,

244.2739, 144.7621

0.0000

221.1997,
294.2487, 181.5488

■ 0.0000, 0.0000,
0.0000

■ 24.3995, 41.0700,
13.2979

■ 24.3995, 41.0700,
13.2979

■ 22.4081, 40.1100,
10.2517

■ 26.9946, 42.3203,
17.4308

■ 20.9686, 39.4121,
8.1875

■ 30.2341, 43.8762,
22.7367

■ 20.0251, 38.9514,
6.9852

■ 34.1583, 45.7581,
29.2963

■ 19.5407, 38.7131,
6.4425

■ 38.8036, 47.9831,
37.1827

■ 44.2036, 50.5671,
46.4630

■ 50.3899, 53.5250,
57.2001

■ 57.3924, 56.8710,
69.4529

■ 65.2393, 60.6183,
83.2770

■ 73.9574, 64.7798,
98.7253

Harmonies

Analogous

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



32.5202, 41.0700, 6.6873



24.3995, 41.0700, 13.2979



20.5867, 41.0700, 31.8722

Triad

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



24.3995, 41.0700, 13.2979



34.2461, 41.0700, 145.0174



65.3983, 41.0700, 27.6918

Complementary

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



24.3995, 41.0700, 13.2979



31.7845, 18.9960, 53.0325

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.



66.1251, 41.0700, 60.6215



24.3995, 41.0700, 13.2979



46.3683, 41.0700, 141.8203

Square

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



24.3995, 41.0700, 13.2979



25.4392, 41.0700, 113.1003



58.5956, 41.0700, 105.8070



56.7761, 41.0700, 11.5875

Rectangle

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



24.3995, 41.0700, 13.2979



20.3567, 41.0700, 53.8534



58.5956, 41.0700, 105.8070



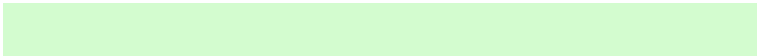
66.6290, 41.0700, 36.6793

Sweetspot

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



24.4005, 41.0717, 13.2988



73.1391, 88.2889, 72.2239



40.2684, 45.4763, 13.3126



15.4121, 19.0449, 14.7812



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.



24.4005, 41.0717, 13.2988



39.4830, 72.1273, 16.9393



25.7449, 41.5014, 25.2627



10.0288, 11.3023, 10.7149



12.8783, 25.4678, 4.2370



0.5864, 1.1158, 0.1845

Inverse Universe

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



31.7845, 18.9960, 53.0325



53.8919, 28.6050, 95.1507



29.9852, 18.5904, 29.3669



10.4026, 10.1987, 12.7051



18.2216, 8.6540, 34.2666



0.8146, 0.3880, 1.4818

Previews

White Background



This preview shows how the XYZ color 24.3995, 41.0700, 13.2979 looks on a white background.

Color Contrast Check

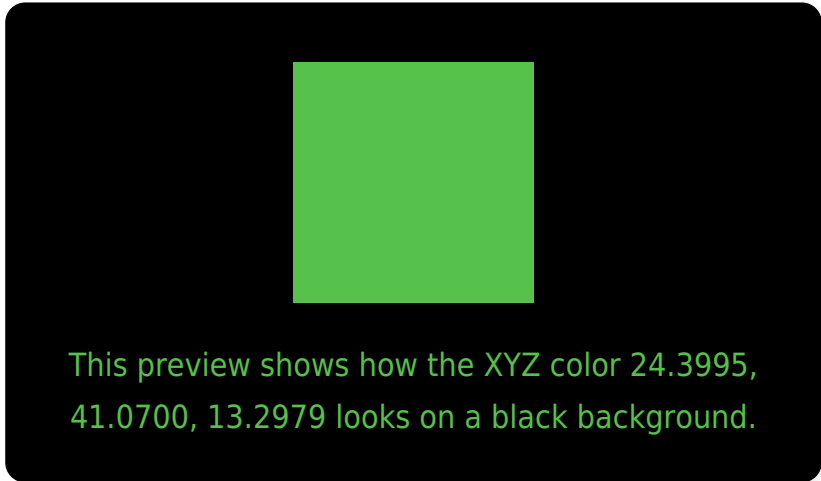
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



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 24.3995, 41.0700, 13.2979

Background



This preview shows how black text looks on a background with the XYZ color 24.3995, 41.0700, 13.2979.



This preview shows how white text looks on a background with the XYZ color 24.3995, 41.0700,

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

24.3995, 41.0700, 13.2979

Protanopia

36.8415, 40.4903, 11.3425

Deuteranopia

41.0989, 40.1824, 13.9773



Tritanopia

33.3738, 40.8862, 58.3574

Trichromacy



Original Color

24.3995, 41.0700, 13.2979



Protanomaly

30.2063, 39.3705, 11.9685



Deuteranomaly

32.1383, 38.8655, 13.5925



Tritanomaly

28.8199, 40.2684, 35.9594

Monochromacy



Original Color

24.3995, 41.0700, 13.2979



Achromatopsia

28.1479, 29.6138, 32.2495



Achromatomaly

25.3638, 32.6507, 23.0546

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.3995, 41.0700, 13.2979 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(86, 194, 75)` looks like.

```
.text, #text, p{  
    color:rgb(86, 194, 75)  
}
```

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(86, 194, 75) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(86, 194, 75) }
```

Border

The CSS property to change the border of an element to XYZ 24.3995, 41.0700, 13.2979 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(86, 194, 75) }
```


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

```
.border{ border-color:rgb(86, 194, 75) }
```

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

Here you see how a box with a 4 pixel `rgb(86, 194, 75)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(86, 194, 75); -webkit-box-  
shadow:4px 4px 4px 4px rgb(86, 194, 75);  
box-shadow:4px 4px 4px 4px rgb(86, 194,  
75) }
```

Background

The CSS property to change the background color of an element to XYZ 24.3995, 41.0700, 13.2979 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(86, 194, 75) }
```

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

```
.background{ background-color: rgb(86, 194,  
75) }
```

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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