

Converting Colors

XYZ(12.6724, 24.0692, 3.9779)

Have a look what the booklet for
XYZ(12.6724, 24.0692, 3.9779)
contains.

XYZ(12.7635, 24.2281, 4.0038)	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(12.7635, 24.2281,
4.0038)**

Conversions

Conversions Part 1

Format	Color
Hex	289C00
RGB	40, 156, 0
RGB Percent	16%, 61%, 0%
CMY	0.8431, 0.3882, 0.9999
CMYK	0.74, 0.00, 1.00, 0.39
HSL	105°, 100%, 31%
HSV	105°, 100%, 61%
XYZ	12.7635, 24.2281, 4.0038
YIQ	103.5320, -19.0600, -73.1080

Conversions

Conversions Part 2

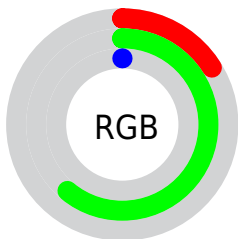
Format	Color
RYB	0, 156, 116
Decimal	2661376
CIELab	56.32, -55.66, 58.17
CIELCh	56, 80.514, 133.735
Yxy	24.2281, 0.3113, 0.5910
Android (android.graphics.Color)	4280851456 (0xFF289C00)
YUV	103.5320, -51.0413, -55.7176
Hunter-Lab	49.2220, -39.8527, 29.6327

Details

The XYZ color **12.7635, 24.2281, 4.0038** is a dark color, and the websafe version is hex **339900**. A complement of this color would be **13.2062, 6.1150, 31.9382**, and the grayscale version is **13.1693, 13.8552, 15.0883**.

A 20% lighter version of the original color is **30.6247, 50.6061, 14.1151**, and **4.8502, 9.7005, 1.6167** is the 20% darker color. If you saturate the color by 10%, you get **12.7636, 24.2289, 4.0039**, and if you desaturate by 10%, it is **13.3753, 24.5338, 4.5058**.

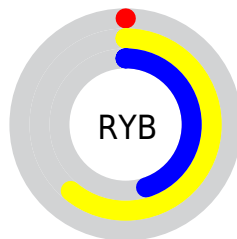
Distribution



Red (16%)

Green (61%)

Blue (0%)



Red (0%)

Yellow (61%)

Blue (45%)

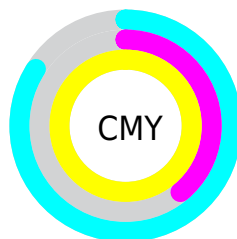


Cyan (74%)

Magenta (0%)

Yellow (100%)

Black (39%)



Cyan (84%)

Magenta (39%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.7635, 24.2281, 4.0038 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 12.7635, 24.2281, 4.0038 by changing the saturation by 10% instead.

■ 12.7635, 24.2281,
4.0038

■ 12.7635, 24.2281,
4.0038

203.0647,
273.9717, 148.2676

■ 7.3418, 15.5029,
1.6274

■ 30.4832, 50.4022,
14.0185

■ 3.7250, 9.1731,
0.3103

■ 43.5119, 68.6198,
22.4940

■ 1.5477, 4.8543,
0.0000

■ 59.8069, 90.7705,
33.8395

■ 0.3580, 2.1620,
0.0000

■ 79.7336, 117.2384,
48.4737


■ 0.0000, 0.6992,
0.0000


■ 103.6574,
148.4081, 66.8150


■ 0.0000, 0.0000,
0.0000


■ 131.9436,


184.6640, 89.2821


 164.9576,
226.3904, 116.2934


 12.7635, 24.2281,
4.0038


 12.7635, 24.2281,
4.0038


 12.7636, 24.2289,
4.0039

 13.3753, 24.5338,
4.5058

 14.2019, 24.9415,
5.3768

 15.2846, 25.4697,
6.7803

 16.6450, 26.1281,
8.7833

 18.3023, 26.9253,
11.4430

■ 20.2738, 27.8691,
14.8102

■ 22.5754, 28.9668,
18.9303

■ 25.2219, 30.2251,
23.8452

■ 28.2271, 31.6502,
29.5936

Harmonies

Analogous

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



19.0458, 24.2281, 1.3658



12.7635, 24.2281, 4.0038



9.7943, 24.2281, 14.4994

Triad

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



12.7635, 24.2281, 4.0038



18.3830, 24.2281, 112.1374



45.0756, 24.2281, 16.0116

Complementary

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



12.7635, 24.2281, 4.0038



13.2062, 6.1150, 31.9382

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.



44.7572, 24.2281, 43.4388



12.7635, 24.2281, 4.0038



27.5301, 24.2281, 113.6770

Square

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



12.7635, 24.2281, 4.0038



12.3912, 24.2281, 79.8301



37.6985, 24.2281, 83.2151



38.4777, 24.2281, 4.4752

Rectangle

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



12.7635, 24.2281, 4.0038



9.4168, 24.2281, 29.8514



37.6985, 24.2281, 83.2151



45.8188, 24.2281, 23.1893

Sweetspot

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



12.7641, 24.2291, 4.0043



40.7322, 52.4814, 33.8904



19.7742, 19.1947, 2.6631



8.5913, 11.3711, 6.7857



74.8435, 78.7412, 85.7492



12.6291, 13.2868, 14.4694

Same Dimension

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



12.7641, 24.2291, 4.0043



23.0240, 43.9235, 7.2646



12.2139, 23.9080, 5.6731



6.7022, 7.4791, 7.0760



10.5412, 19.9709, 3.2992



0.2242, 0.3755, 0.0607

Inverse Universe

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



13.2062, 6.1150, 31.9382



23.7937, 11.0071, 57.9972



17.0773, 8.4150, 18.3683



6.7381, 6.6690, 8.3388



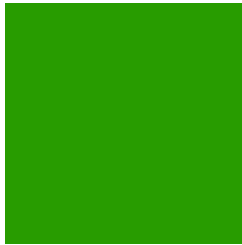
10.9101, 5.0534, 26.3076



0.2314, 0.1091, 0.4721

Previews

White Background



This preview shows how the XYZ color 12.7635, 24.2281, 4.0038 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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 12.7635, 24.2281, 4.0038 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

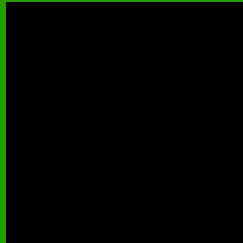
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 12.7635, 24.2281, 4.0038

Background



This preview shows how black text looks on a background with the XYZ color 12.7635, 24.2281, 4.0038.



This preview shows how white text looks on a background with the XYZ color 12.7635, 24.2281,

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

12.7635, 24.2281, 4.0038

Protanopia

21.4265, 23.9073, 3.4853

Deuteranopia

24.2261, 23.7236, 4.7411



Tritanopia

19.1129, 24.1810, 35.5583

Trichromacy



Original Color

12.7635, 24.2281, 4.0038

Protanomaly

16.3780, 23.0244, 3.5809

Deuteranomaly

17.2499, 22.3687, 4.1179

Tritanomaly

15.0343, 23.4391, 15.7884

Monochromacy



Original Color

12.7635, 24.2281, 4.0038

Achromatopsia

13.1579, 13.8432, 15.0752

Achromatomaly

11.4597, 16.3086, 7.6981

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.7635, 24.2281, 4.0038 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(40, 156, 0)` looks like.

```
.text, #text, p{  
    color:rgb(40, 156, 0)  
}
```

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(40, 156, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(40, 156, 0) }
```

Border

The CSS property to change the border of an element to XYZ 12.7635, 24.2281, 4.0038 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(40, 156, 0) }
```


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

```
.border{ border-color:rgb(40, 156, 0) }
```

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

Here you see how a box with a 4 pixel rgb(40, 156, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(40, 156, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(40, 156, 0);  
box-shadow:4px 4px 4px 4px rgb(40, 156, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 12.7635, 24.2281, 4.0038 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(40, 156, 0) }
```

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

```
.background{ background-color: rgb(40, 156,  
0) }
```

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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