

Converting Colors

XYZ(24.9191, 42.7783, 7.2424)

Have a look what the booklet for
XYZ(24.9191, 42.7783, 7.2424)
contains.

XYZ(24.9682, 42.8430, 7.2407)	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(24.9682, 42.8430,
7.2407)**

Conversions

Conversions Part 1

Format	Color
Hex	5FC60A
RGB	95, 198, 10
RGB Percent	37%, 78%, 4%
CMY	0.6275, 0.2235, 0.9607
CMYK	0.52, 0.00, 0.95, 0.22
HSL	93°, 90%, 41%
HSV	93°, 95%, 78%
XYZ	24.9682, 42.8430, 7.2407
YIQ	145.7710, -1.0400, -80.3040

Conversions

Conversions Part 2

Format	Color
RYB	10, 198, 113
Decimal	6276618
CIELab	71.45, -56.71, 69.74
CIElCh	71, 89.890, 129.114
Yxy	42.8430, 0.3327, 0.5708
Android (android.graphics.Color)	4284466698 (0xFF5FC60A)
YUV	145.7710, -66.9351, -44.5262
Hunter-Lab	65.4546, -46.4551, 39.2594

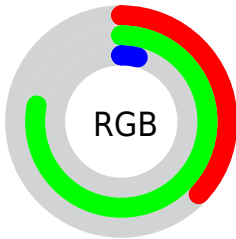
Details

The XYZ color **24.9682, 42.8430, 7.2407** is a dark color, and the websafe version is hex **66CC00**.

The color can be described as dark washed green. A complement of this color would be **17.1156, 7.8074, 54.0334**, and the grayscale version is **27.4956, 28.9275, 31.5020**.

A 20% lighter version of the original color is **50.8778, 79.1287, 20.9793**, and **10.1110, 19.7936, 3.2877** is the 20% darker color. If you saturate the color by 10%, you get **24.3638, 42.5391, 6.9268**, and if you desaturate by 10%, it is **26.3530, 43.5378, 8.2311**.

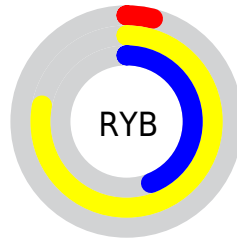
Distribution



Red (37%)

Green (78%)

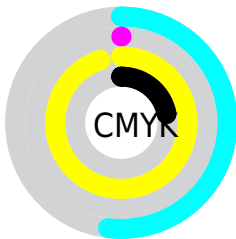
Blue (4%)



Red (4%)

Yellow (78%)

Blue (44%)

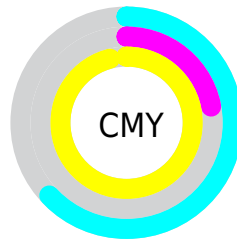


Cyan (52%)

Magenta (0%)

Yellow (95%)

Black (22%)



Cyan (63%)


Magenta (22%)


Yellow (96%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 24.9682, 42.8430, 7.2407 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 24.9682, 42.8430, 7.2407 by changing the saturation by 10% instead.


 24.9682, 42.8430,
7.2407


 24.9682, 42.8430,
7.2407


270.0301,
357.9657, 179.3551


 16.1820, 29.7620,
3.5324

 51.0489, 79.4739,
20.9769


 9.7447, 19.6580,
1.3725


 69.0741, 103.7925,
31.8418

 5.2910, 12.1467,
0.1201


 90.9096, 132.6258,
45.9294

 2.4555, 6.8436,
0.0000

 116.9209,
166.3581, 63.6580

 0.8729, 3.3645,
0.0000

 147.4732,
205.3739, 85.4464

 0.0000, 1.3249,
0.0000

 182.9319,

 0.0000, 0.1603,

250.0575, 111.7130

0.0000

223.6624,
300.7933, 142.8764

■ 0.0000, 0.0000,
0.0000

■ 24.9682, 42.8430,
7.2407

■ 24.9682, 42.8430,
7.2407

■ 24.3638, 42.5391,
6.9268

■ 26.3530, 43.5378,
8.2311

■ 28.0583, 44.3781,
10.0621

■ 30.1166, 45.3792,
12.8710

■ 32.5547, 46.5523,
16.7700

■ 35.3962, 47.9075,
21.8561

■ 38.6623, 49.4539,
28.2154

■ 42.3728, 51.1999,
35.9260

■ 46.5458, 53.1533,
45.0599

■ 51.1985, 55.3215,
55.6839

Harmonies

Analogous

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



36.2783, 42.8430, 3.2465



24.9682, 42.8430, 7.2407



19.1162, 42.8430, 22.7780

Triad

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



24.9682, 42.8430, 7.2407



31.1929, 42.8430, 176.0854



76.7912, 42.8430, 34.6410

Complementary

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



24.9682, 42.8430, 7.2407



17.1156, 7.8074, 54.0334

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.



74.4549, 42.8430, 83.1638



24.9682, 42.8430, 7.2407



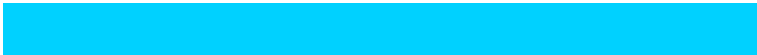
45.5124, 42.8430, 187.0418

Square

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



24.9682, 42.8430, 7.2407



22.0414, 42.8430, 121.5655



62.0040, 42.8430, 145.9483



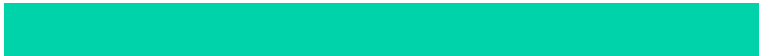
67.7655, 42.8430, 11.3277

Rectangle

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



24.9682, 42.8430, 7.2407



17.9852, 42.8430, 45.3710



62.0040, 42.8430, 145.9483



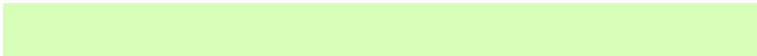
77.3487, 42.8430, 47.9503

Sweetspot

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



24.9692, 42.8448, 7.2416



72.6523, 89.5441, 58.5824



28.9507, 23.2404, 3.2477



14.9398, 18.8786, 11.2749



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.



24.9692, 42.8448, 7.2416



42.8663, 75.1834, 12.2526



20.4161, 40.4929, 7.2414



10.9452, 12.1187, 11.3250



15.9395, 27.7124, 4.5089



0.8379, 1.3550, 0.2174

Inverse Universe

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



17.1156, 7.8074, 54.0334



28.8191, 12.7717, 95.5540



32.8839, 16.0180, 51.0757



10.6028, 10.5690, 13.3987



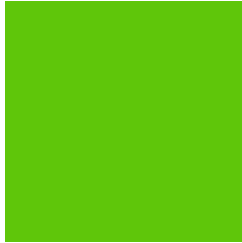
10.7895, 4.7964, 35.1015



0.5935, 0.2697, 1.6659

Previews

White Background



This preview shows how the XYZ color 24.9682, 42.8430, 7.2407 looks on a white background.

Color Contrast Check

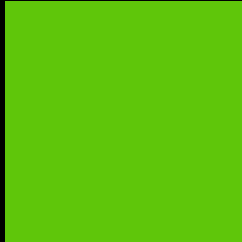
Large Text (above 18pt) WCAG AA × Fail

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 24.9682, 42.8430, 7.2407 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 24.9682, 42.8430, 7.2407

Background



This preview shows how black text looks on a background with the XYZ color 24.9682, 42.8430, 7.2407.



This preview shows how white text looks on a background with the XYZ color 24.9682, 42.8430,

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

24.9682, 42.8430, 7.2407

Protanopia

37.9010, 42.0079, 6.1107

Deuteranopia

43.0865, 42.1375, 8.0529



Tritanopia

35.4753, 42.5421, 60.3745

Trichromacy



Original Color

24.9682, 42.8430, 7.2407



Protanomaly

31.2535, 41.2467, 6.4290



Deuteranomaly

33.4120, 40.5367, 7.2917



Tritanomaly

28.9090, 41.4516, 27.5964

Monochromacy



Original Color

24.9682, 42.8430, 7.2407



Achromatopsia

27.3213, 28.7441, 31.3023



Achromatomaly

24.3652, 32.2854, 16.2568

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.9682, 42.8430, 7.2407 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(95, 198, 10)` looks like.

```
.text, #text, p{  
    color:rgb(95, 198, 10)  
}
```

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(95, 198, 10) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(95, 198, 10) }
```

Border

The CSS property to change the border of an element to XYZ 24.9682, 42.8430, 7.2407 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(95, 198, 10) }
```


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

```
.border{ border-color:rgb(95, 198, 10) }
```

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

Here you see how a box with a 4 pixel `rgb(95, 198, 10)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(95, 198, 10); -webkit-box-  
shadow:4px 4px 4px 4px rgb(95, 198, 10);  
box-shadow:4px 4px 4px 4px rgb(95, 198,  
10) }
```

Background

The CSS property to change the background color of an element to XYZ 24.9682, 42.8430, 7.2407 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(95, 198, 10) }
```

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

```
.background{ background-color: rgb(95, 198,  
10) }
```

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