

Converting Colors

XYZ(13.7740, 25.0165, 6.7609)

Have a look what the booklet for
XYZ(13.7740, 25.0165, 6.7609)
contains.

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Color

**XYZ(13.7424, 24.9235,
6.7757)**

Conversions

Conversions Part 1

Format	Color
Hex	2F9D2F
RGB	47, 157, 47
RGB Percent	18%, 62%, 18%
CMY	0.8157, 0.3843, 0.8157
CMYK	0.70, 0.00, 0.70, 0.38
HSL	120°, 54%, 40%
HSV	120°, 70%, 62%
XYZ	13.7424, 24.9235, 6.7757
YIQ	111.5700, -30.2500, -57.5300

Conversions

Conversions Part 2

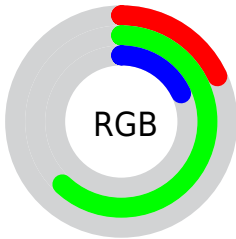
Format	Color
RYB	47, 157, 157
Decimal	3120431
CIELab	57.00, -52.23, 46.61
CIElCh	57, 70.002, 138.255
Yxy	24.9235, 0.3024, 0.5485
Android (android.graphics.Color)	4281310511 (0xFF2F9D2F)
YUV	111.5700, -31.8330, -56.6279
Hunter-Lab	49.9234, -38.2304, 26.8995

Details

The XYZ color **13.7424, 24.9235, 6.7757** is a dark color, and the websafe version is hex **339933**. A complement of this color would be **21.0077, 11.6360, 33.0378**, and the grayscale version is **15.3724, 16.1729, 17.6123**.

A 20% lighter version of the original color is **32.3531, 51.7406, 20.0861**, and **4.9503, 9.9006, 1.6501** is the 20% darker color. If you saturate the color by 10%, you get **12.8830, 24.5114, 5.3695**, and if you desaturate by 10%, it is **14.9773, 25.5175, 8.7953**.

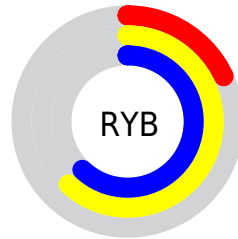
Distribution



Red (18%)

Green (62%)

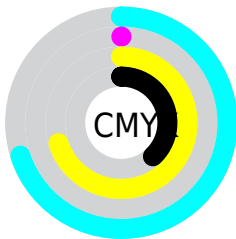
Blue (18%)



Red (18%)

Yellow (62%)

Blue (62%)

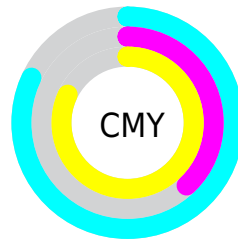


Cyan (70%)

Magenta (0%)

Yellow (70%)

Black (38%)



Cyan (82%)

Magenta (38%)

Yellow (82%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.7424, 24.9235, 6.7757 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 13.7424, 24.9235, 6.7757 by changing the saturation by 10% instead.

■ 13.7424, 24.9235,
6.7757

■ 13.7424, 24.9235,
6.7757

209.1652,
277.4568, 175.3463

■ 8.0222, 16.0201,
3.2459

■ 32.2213, 51.5331,
20.0257

■ 4.1611, 9.5384,
1.2215

■ 45.7108, 70.0080,
30.5829

■ 1.7937, 5.0940,
0.0000

■ 62.5208, 92.4423,
44.3197

■ 0.5139, 2.3025,
0.0000

■ 83.0166, 119.2202,
61.6547

■ 0.0000, 0.7750,
0.0000

■ 107.5636,
150.7262, 83.0063

■ 0.0000, 0.0000,
0.0000

■ 136.5271,

187.3447, 108.7930

170.2725,
229.4601, 139.4335

■ 13.7424, 24.9235,
6.7757

■ 13.7424, 24.9235,
6.7757

■ 12.8830, 24.5114,
5.3695

■ 14.9773, 25.5175,
8.7953

■ 12.3550, 24.2578,
4.5059

■ 16.6221, 26.3075,
11.4856

■ 12.0575, 24.1149,
4.0192

■ 18.7092, 27.3100,
14.8994

■ 21.2672, 28.5388,
19.0835

■ 24.3226, 30.0064,
24.0811

■ 27.8996, 31.7247,
29.9320

■ 32.0210, 33.7044,
36.6733

■ 36.7083, 35.9559,
44.3402

■ 41.9816, 38.4890,
52.9656

Harmonies

Analogous

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



19.0736, 24.9235, 2.8503



13.7424, 24.9235, 6.7757



11.3365, 24.9235, 18.9248

Triad

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



13.7424, 24.9235, 6.7757



20.6144, 24.9235, 99.9905



42.0992, 24.9235, 15.2812

Complementary

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



13.7424, 24.9235, 6.7757



21.0077, 11.6360, 33.0378

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.



42.7847, 24.9235, 37.4369



13.7424, 24.9235, 6.7757



28.9948, 24.9235, 96.8489

Square

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



13.7424, 24.9235, 6.7757



14.6446, 24.9235, 76.8800



37.5518, 24.9235, 69.8270



35.8520, 24.9235, 5.4337

Rectangle

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



13.7424, 24.9235, 6.7757



11.2346, 24.9235, 34.1719



37.5518, 24.9235, 69.8270



43.0331, 24.9235, 21.1414

Sweetspot

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



13.7430, 24.9245, 6.7763



42.7703, 53.3583, 41.8374



26.4757, 31.4885, 7.3720



9.0937, 11.5886, 8.6866



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.



13.7430, 24.9245, 6.7763



22.4781, 43.6110, 8.6457



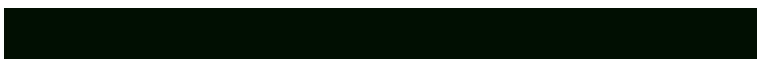
15.6282, 25.6786, 16.7038



6.5508, 7.4011, 7.0690



9.7925, 19.5849, 3.2642



0.1751, 0.3502, 0.0584

Inverse Universe

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



21.0077, 11.6360, 33.0378



36.3346, 18.2648, 58.7361



17.3202, 10.1609, 13.6194



6.9042, 6.7546, 8.3465



16.2358, 7.7989, 26.5563



0.2903, 0.1394, 0.4748

Previews

White Background



This preview shows how the XYZ color 13.7424, 24.9235, 6.7757 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 13.7424, 24.9235, 6.7757 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

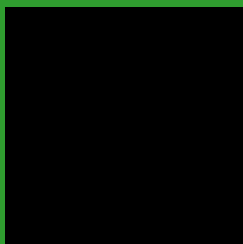
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 13.7424, 24.9235, 6.7757

Background



This preview shows how black text looks on a background with the XYZ color 13.7424, 24.9235, 6.7757.



This preview shows how white text looks on a background with the XYZ color 13.7424, 24.9235,

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

13.7424, 24.9235, 6.7757

Protanopia

22.1533, 24.4438, 5.6483

Deuteranopia

24.9510, 24.4309, 7.2715



Tritanopia

19.6658, 24.9138, 36.1201

Trichromacy



Original Color

13.7424, 24.9235, 6.7757

Protanomaly

17.3487, 23.6983, 5.9454

Deuteranomaly

18.3327, 23.0823, 6.8572

Tritanomaly

16.5834, 24.5995, 21.0137

Monochromacy



Original Color

13.7424, 24.9235, 6.7757

Achromatopsia

15.4009, 16.2029, 17.6450

Achromatomaly

13.5051, 18.2176, 12.0371

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.7424, 24.9235, 6.7757 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(47, 157, 47)` looks like.

```
.text, #text, p{  
    color:rgb(47, 157, 47)  
}
```

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(47, 157, 47) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(47, 157, 47) }
```

Border

The CSS property to change the border of an element to XYZ 13.7424, 24.9235, 6.7757 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(47, 157, 47) }
```


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

```
.border{ border-color:rgb(47, 157, 47) }
```

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

Here you see how a box with a 4 pixel rgb(47, 157, 47) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(47, 157, 47); -webkit-box-  
shadow:4px 4px 4px 4px rgb(47, 157, 47);  
box-shadow:4px 4px 4px 4px rgb(47, 157,  
47) }
```

Background

The CSS property to change the background color of an element to XYZ 13.7424, 24.9235, 6.7757 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(47, 157, 47) }
```

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

```
.background{ background-color: rgb(47, 157,  
47) }
```

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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