

Converting Colors

XYZ(35.2537, 47.2221, 24.3283)

Have a look what the booklet for
XYZ(35.2537, 47.2221, 24.3283)
contains.

XYZ(35.2227, 47.0838, 24.3712)	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(35.2227, 47.0838,
24.3712)**

Conversions

Conversions Part 1

Format	Color
Hex	94C476
RGB	148, 196, 118
RGB Percent	58%, 77%, 46%
CMY	0.4196, 0.2314, 0.5372
CMYK	0.24, 0.00, 0.40, 0.23
HSL	97°, 40%, 62%
HSV	97°, 40%, 77%
XYZ	35.2227, 47.0838, 24.3712
YIQ	172.7560, -3.5700, -34.4340

Conversions

Conversions Part 2

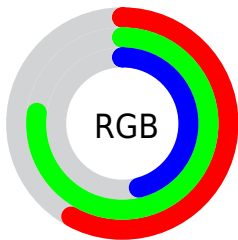
Format	Color
RYB	118, 196, 166
Decimal	9749622
CIELab	74.24, -29.84, 34.16
CIELCh	74, 45.357, 131.138
Yxy	47.0838, 0.3302, 0.4414
Android (android.graphics.Color)	4287939702 (0xFF94C476)
YUV	172.7560, -26.9947, -21.7110
Hunter-Lab	68.6176, -28.4535, 26.9741

Details

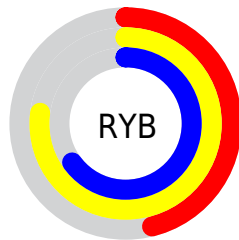
The XYZ color **35.2227, 47.0838, 24.3712** is a light color, and the websafe version is hex **99CC66**. A complement of this color would be **32.1702, 25.0508, 55.3669**, and the grayscale version is **39.7317, 41.8008, 45.5211**.

A 20% lighter version of the original color is **67.1046, 85.8873, 51.5692**, and **15.4357, 22.1963, 8.9396** is the 20% darker color. If you saturate the color by 10%, you get **32.1078, 45.6003, 18.7645**, and if you desaturate by 10%, it is **38.8094, 48.7854, 31.2653**.

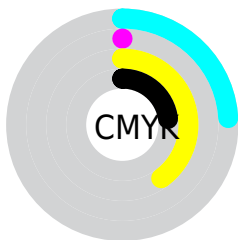
Distribution



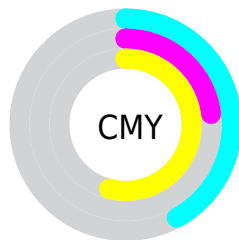
- Red (58%)
- Green (77%)
- Blue (46%)



- Red (46%)
- Yellow (77%)
- Blue (65%)



- Cyan (24%)
- Magenta (0%)
- Yellow (40%)
- Black (23%)



- Cyan (42%)
- Magenta (23%)
- Yellow (54%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 35.2227, 47.0838, 24.3712 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 35.2227, 47.0838, 24.3712 by changing the saturation by 10% instead.

■ 35.2227, 47.0838,
24.3712

■ 35.2227, 47.0838,
24.3712

317.0410,
375.1489, 288.0386

■ 24.0018, 33.1019,
15.3945

■ 67.1624, 85.8387,
51.5867

■ 15.4597, 22.2045,
8.9470

■ 88.6118, 111.3805,
70.6625

■ 9.2311, 14.0073,
4.6103

■ 114.2016,
141.5444, 93.9417

■ 4.9505, 8.1257,
1.9658

144.2969,
176.7147, 121.8430

■ 2.2527, 4.1755,
0.5341

179.2631,
217.2760, 154.7848

■ 0.7703, 1.7722,
0.0000

219.4656,

■ 0.0000, 0.4698,

263.6125, 193.1856

0.0000

265.2698,
316.1087, 237.4640

■ 0.0000, 0.0000,
0.0000

■ 35.2227, 47.0838,
24.3712

■ 35.2227, 47.0838,
24.3712

■ 32.1078, 45.6003,
18.7645

■ 38.8094, 48.7854,
31.2653

■ 29.4392, 44.3193,
14.3622

■ 42.8849, 50.7080,
39.5166

■ 27.1939, 43.2322,
11.0764


■ 47.4694, 52.8619,
49.1939


■ 25.3451, 42.3275,
8.8062


■ 52.5809, 55.2552,
60.3600


■ 23.8622, 41.5919,
7.4322


■ 58.2366, 57.8952,
73.0743


 22.6939, 41.0039,
6.7299

 64.4528, 60.7893,
87.3927

 22.6723, 40.9930,
6.7175

 71.2119, 63.9310,
103.1944

 75.2730, 66.0246,
103.3844

 79.0309, 67.9618,
103.5603

Harmonies

Analogous

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



41.7952, 47.0838, 18.6591



35.2227, 47.0838, 24.3712



31.5122, 47.0838, 38.0951

Triad

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



35.2227, 47.0838, 24.3712



39.8791, 47.0838, 106.4724



61.9359, 47.0838, 43.0840

Complementary

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



35.2227, 47.0838, 24.3712



32.1702, 25.0508, 55.3669

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.



61.2606, 47.0838, 67.1694



35.2227, 47.0838, 24.3712



47.8445, 47.0838, 109.0371

Square

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



35.2227, 47.0838, 24.3712



33.9668, 47.0838, 86.7796



55.8609, 47.0838, 92.9874



57.6074, 47.0838, 27.0660

Rectangle

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



35.2227, 47.0838, 24.3712



30.8539, 47.0838, 52.1620



55.8609, 47.0838, 92.9874



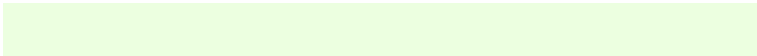
62.2990, 47.0838, 50.3809

Sweetspot

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



35.2239, 47.0858, 24.3722



83.9168, 94.7852, 84.6783



39.4560, 39.8839, 22.7590



17.7206, 20.1748, 17.6123



0.0000, 0.0000, 0.0000



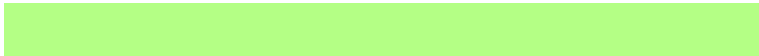
20.3446, 21.4041, 23.3091

Same Dimension

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



35.2239, 47.0858, 24.3722



58.7123, 82.8665, 34.9461



30.9656, 44.8348, 26.6938



10.3025, 11.4434, 10.7277



14.6568, 26.3847, 4.3203



0.7103, 1.1797, 0.1903

Inverse Universe

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



32.1702, 25.0508, 55.3669



52.3749, 37.2851, 99.0440



38.3439, 28.3334, 51.1404



10.1100, 10.0479, 12.6914



11.5333, 5.2060, 33.9536



0.5733, 0.2636, 1.4705

Previews

White Background



This preview shows how the XYZ color 35.2227, 47.0838, 24.3712 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 35.2227, 47.0838, 24.3712 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 35.2227, 47.0838, 24.3712

Background



This preview shows how black text looks on a background with the XYZ color 35.2227, 47.0838, 24.3712.



This preview shows how white text looks on a background with the XYZ color 35.2227, 47.0838,

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

35.2227, 47.0838, 24.3712

Protanopia

43.2618, 46.7903, 22.3741

Deuteranopia

47.6246, 46.6076, 25.2250



Tritanopia

42.7995, 46.9119, 62.0575

Trichromacy



Original Color

35.2227, 47.0838, 24.3712

Protanomaly

39.6872, 46.4818, 23.0998

Deuteranomaly

42.1715, 46.1738, 24.7789

Tritanomaly

39.4744, 46.8351, 45.4876

Monochromacy



Original Color

35.2227, 47.0838, 24.3712

Achromatopsia

39.7200, 41.7885, 45.5077

Achromatomaly

37.5835, 43.2402, 36.5023

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.2227, 47.0838, 24.3712 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(148, 196, 118)` looks like.

```
.text, #text, p{  
    color:rgb(148, 196, 118)  
}
```

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(148, 196, 118) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(148, 196, 118) }
```

Border

The CSS property to change the border of an element to XYZ 35.2227, 47.0838, 24.3712 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(148, 196, 118) }
```


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

```
.border{ border-color:rgb(148, 196, 118) }
```

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

Here you see how a box with a 4 pixel `rgb(148, 196, 118)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(148, 196, 118); -webkit-box-  
shadow:4px 4px 4px 4px rgb(148, 196, 118);  
box-shadow:4px 4px 4px 4px rgb(148, 196,  
118) }
```

Background

The CSS property to change the background color of an element to XYZ 35.2227, 47.0838, 24.3712 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(148, 196, 118) }
```

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

```
.background{ background-color: rgb(148,  
196, 118) }
```

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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