

Converting Colors

XYZ(32.0748, 47.2721, 25.1560)

Have a look what the booklet for
XYZ(32.0748, 47.2721, 25.1560)
contains.

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Color

**XYZ(32.0225, 47.1224,
25.1771)**

Conversions

Conversions Part 1

Format	Color
Hex	78C978
RGB	120, 201, 120
RGB Percent	47%, 79%, 47%
CMY	0.5294, 0.2117, 0.5294
CMYK	0.40, 0.00, 0.40, 0.21
HSL	120°, 43%, 63%
HSV	120°, 40%, 79%
XYZ	32.0225, 47.1224, 25.1771
YIQ	167.5470, -22.2750, -42.3630

Conversions

Conversions Part 2

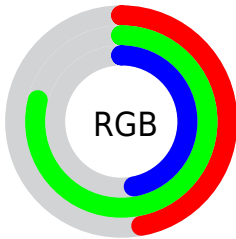
Format	Color
RYB	120, 201, 201
Decimal	7915896
CIELab	74.27, -41.17, 32.88
CIELCh	74, 52.686, 141.389
Yxy	47.1224, 0.3070, 0.4517
Android (android.graphics.Color)	4286105976 (0xFF78C978)
YUV	167.5470, -23.4407, -41.6987
Hunter-Lab	68.6458, -36.8618, 26.3063

Details

The XYZ color **32.0225, 47.1224, 25.1771** is a dark color, and the websafe version is hex **66CC66**. A complement of this color would be **41.3479, 30.0683, 58.8842**, and the grayscale version is **37.1174, 39.0503, 42.5258**.

A 20% lighter version of the original color is **61.2073, 83.7672, 52.4779**, and **13.5643, 22.1238, 9.3498** is the 20% darker color. If you saturate the color by 10%, you get **28.4276, 45.3970, 19.2961**, and if you desaturate by 10%, it is **36.4610, 49.2558, 32.4362**.

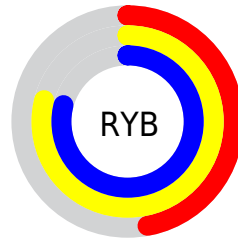
Distribution



Red (47%)

Green (79%)

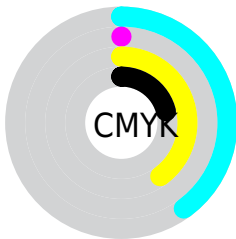
Blue (47%)



Red (47%)

Yellow (79%)

Blue (79%)

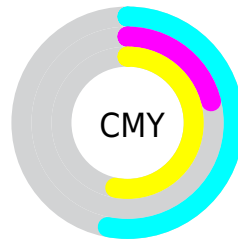


Cyan (40%)

Magenta (0%)

Yellow (40%)

Black (21%)



Cyan (53%)

Magenta (21%)

Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 32.0225, 47.1224, 25.1771 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 32.0225, 47.1224, 25.1771 by changing the saturation by 10% instead.

■ 32.0225, 47.1224,
25.1771

■ 32.0225, 47.1224,
25.1771

302.9652,
375.3029, 292.1946

■ 21.5343, 33.1324,
15.9888

■ 62.2113, 85.8963,
52.9121

■ 13.6298, 22.2279,
9.3620

■ 82.6427, 111.4490,
72.2958

■ 7.9436, 14.0245,
4.8780

■ 107.1191,
141.6248, 95.9152

■ 4.1104, 8.1377,
2.1184

136.0060,
176.8079, 124.1887

■ 1.7648, 4.1832,
0.6267

169.6687,
217.3830, 157.5348

■ 0.4963, 1.7765,
0.0000

208.4726,

■ 0.0000, 0.4725,

263.7342, 196.3722

0.0000

252.7829,
316.2460, 241.1192

■ 0.0000, 0.0000,
0.0000

■ 32.0225, 47.1224,
25.1771

■ 32.0225, 47.1224,
25.1771

■ 28.4276, 45.3970,
19.2961

■ 36.4610, 49.2558,
32.4362

■ 25.6196, 44.0482,
14.7031

■ 41.7879, 51.8147,
41.1493

■ 23.5407, 43.0496,
11.3025


■ 48.0493, 54.8223,
51.3909


■ 22.1234, 42.3688,
8.9842


■ 55.2869, 58.2989,
63.2292

■ 21.2879, 41.9674,
7.6174

■ 63.5400, 62.2633,
76.7284

 20.8876, 41.7752,
6.9627

 72.8456, 66.7332,
91.9492

 80.1776, 70.2552,
103.9425

Harmonies

Analogous

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



38.4752, 47.1224, 16.4763



32.0225, 47.1224, 25.1771



29.1001, 47.1224, 43.8953

Triad

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



32.0225, 47.1224, 25.1771



42.1191, 47.1224, 121.9968



63.9556, 47.1224, 34.5543

Complementary

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



32.0225, 47.1224, 25.1771



41.3479, 30.0683, 58.8842

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.



65.2938, 47.1224, 59.5121



32.0225, 47.1224, 25.1771



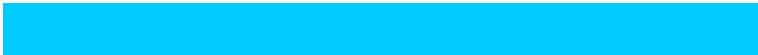
51.7570, 47.1224, 116.7275

Square

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



32.0225, 47.1224, 25.1771



34.3669, 47.1224, 103.7456



60.5630, 47.1224, 91.1777



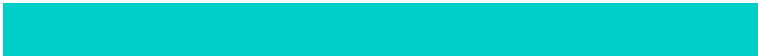
57.1287, 47.1224, 20.4123

Rectangle

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



32.0225, 47.1224, 25.1771



29.2151, 47.1224, 62.3012



60.5630, 47.1224, 91.1777



65.0970, 47.1224, 41.6911

Sweetspot

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



32.0237, 47.1244, 25.1781



80.1336, 92.8349, 84.5017



48.3662, 55.5493, 25.9424



16.8365, 19.7190, 17.5710



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.



32.0237, 47.1244, 25.1781



49.5761, 78.1565, 34.5195



35.0226, 48.3239, 40.9701



10.4975, 11.8879, 11.3041



13.1328, 26.2655, 4.3777



0.6218, 1.2437, 0.2073

Inverse Universe

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



41.3479, 30.0683, 58.8842



67.6224, 45.1456, 99.7553



37.1942, 28.4068, 37.0113



11.0831, 10.8166, 13.4211



21.7737, 10.4590, 35.6138



1.0310, 0.4952, 1.6863

Previews

White Background



This preview shows how the XYZ color 32.0225, 47.1224, 25.1771 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 32.0225, 47.1224, 25.1771 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

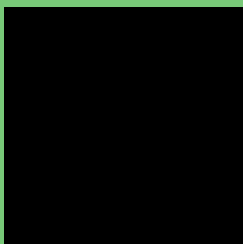
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

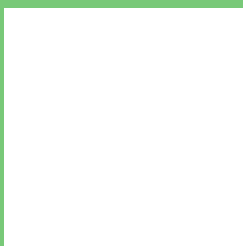
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 32.0225, 47.1224, 25.1771

Background



This preview shows how black text looks on a background with the XYZ color 32.0225, 47.1224, 25.1771.



This preview shows how white text looks on a background with the XYZ color 32.0225, 47.1224,

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

32.0225, 47.1224, 25.1771

Protanopia

42.9413, 46.6315, 22.0668

Deuteranopia

47.5172, 46.5302, 26.2155



Tritanopia

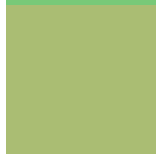
40.0879, 47.0362, 65.3586

Trichromacy



Original Color

32.0225, 47.1224, 25.1771



Protanomaly

37.8697, 46.1790, 23.1372



Deuteranomaly

40.0700, 45.6813, 25.7742



Tritanomaly

36.6130, 46.9507, 47.6901

Monochromacy



Original Color

32.0225, 47.1224, 25.1771



Achromatopsia

37.2190, 39.1572, 42.6422



Achromatomaly

34.6697, 41.4562, 35.4527

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.0225, 47.1224, 25.1771 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(120, 201, 120)` looks like.

```
.text, #text, p{  
    color:rgb(120, 201, 120)  
}
```

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(120, 201, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 201, 120) }
```

Border

The CSS property to change the border of an element to XYZ 32.0225, 47.1224, 25.1771 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(120, 201, 120) }
```


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

```
.border{ border-color:rgb(120, 201, 120) }
```

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

Here you see how a box with a 4 pixel `rgb(120, 201, 120)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 201, 120); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 201, 120);  
box-shadow:4px 4px 4px 4px rgb(120, 201,  
120) }
```

Background

The CSS property to change the background color of an element to XYZ 32.0225, 47.1224, 25.1771 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 201, 120) }
```

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

```
.background{ background-color: rgb(120,  
201, 120) }
```

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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