

Converting Colors

XYZ(32.7620, 47.8916, 23.4369)

Have a look what the booklet for
XYZ(32.7620, 47.8916, 23.4369)
contains.

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Color

**XYZ(32.7620, 47.8916,
23.4369)**

Conversions

Conversions Part 1

Format	Color
Hex	7ECA72
RGB	126, 202, 114
RGB Percent	49%, 79%, 45%
CMY	0.5059, 0.2078, 0.5529
CMYK	0.38, 0.00, 0.44, 0.21
HSL	112°, 45%, 62%
HSV	112°, 44%, 79%
XYZ	32.7620, 47.8916, 23.4369
YIQ	169.2440, -17.0480, -43.4800

Conversions

Conversions Part 2

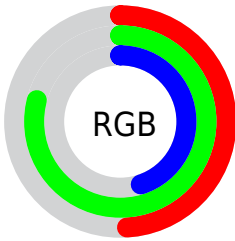
Format	Color
RYB	114, 202, 190
Decimal	8309362
CIELab	74.76, -40.62, 36.62
CIElCh	75, 54.685, 137.966
Yxy	47.8916, 0.3147, 0.4601
Android (android.graphics.Color)	4286499442 (0xFF7ECA72)
YUV	169.2440, -27.2353, -37.9250
Hunter-Lab	69.2038, -36.6022, 28.3632

Details

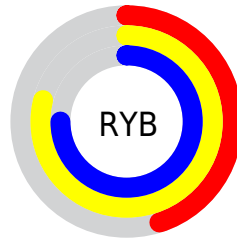
The XYZ color **32.7620, 47.8916, 23.4369** is a dark color, and the websafe version is hex **66CC66**. A complement of this color would be **37.9155, 27.2476, 59.1406**, and the grayscale version is **37.9707, 39.9481, 43.5035**.

A 20% lighter version of the original color is **62.0265, 84.2551, 49.5529**, and **14.0316, 22.6153, 8.4761** is the 20% darker color. If you saturate the color by 10%, you get **29.3850, 46.2706, 17.9256**, and if you desaturate by 10%, it is **36.8440, 49.8495, 30.3086**.

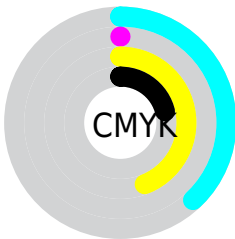
Distribution



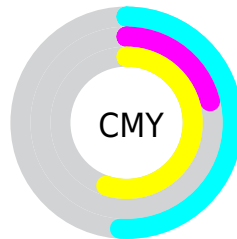
- Red (49%)
- Green (79%)
- Blue (45%)



- Red (45%)
- Yellow (79%)
- Blue (75%)



- Cyan (38%)
- Magenta (0%)
- Yellow (44%)
- Black (21%)



- Cyan (51%)
- Magenta (21%)
- Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 32.7620, 47.8916, 23.4369 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 32.7620, 47.8916, 23.4369 by changing the saturation by 10% instead.

■ 32.7620, 47.8916,
23.4369

■ 32.7620, 47.8916,
23.4369

306.2599,
378.3623, 283.1554

■ 22.1025, 33.7411,
14.7081

■ 63.3609, 87.0430,
50.0420

■ 14.0493, 22.6947,
8.4705

■ 84.0311, 112.8126,
68.7554

■ 8.2369, 14.3683,
4.3054

■ 108.7690,
143.2241, 91.6340

■ 4.3000, 8.3772,
1.7943

137.9398,
178.6617, 119.0965

■ 1.8732, 4.3373,
0.4242

171.9089,
219.5100, 151.5613

■ 0.5612, 1.8640,
0.0000

211.0417,

■ 0.0000, 0.5266,

266.1532, 189.4471

0.0000

255.7036,
318.9759, 233.1723

■ 0.0000, 0.0000,
0.0000

■ 32.7620, 47.8916,
23.4369

■ 32.7620, 47.8916,
23.4369

■ 29.3850, 46.2706,
17.9256

■ 36.8440, 49.8495,
30.3086

■ 26.6692, 44.9617,
13.6813

■ 41.6643, 52.1555,
38.6194

■ 24.5714, 43.9462,
10.6042


■ 47.2586, 54.8278,
48.4458


■ 23.0418, 43.2009,
8.5778


■ 53.6590, 57.8813,
59.8579


■ 22.0221, 42.6989,
7.4618

■ 60.8958, 61.3304,
72.9215

 21.5879, 42.4835,
7.0623

 68.9979, 65.1885,
87.6988

 77.9272, 69.4423,
103.9042

 80.4115, 70.7230,
104.0205

Harmonies

Analogous

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



39.8816, 47.8916, 15.5129



32.7620, 47.8916, 23.4369



29.2856, 47.8916, 41.5572

Triad

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



32.7620, 47.8916, 23.4369



41.6542, 47.8916, 125.9740



66.2002, 47.8916, 37.0351

Complementary

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



32.7620, 47.8916, 23.4369



37.9155, 27.2476, 59.1406

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.



66.8586, 47.8916, 64.3956



32.7620, 47.8916, 23.4369



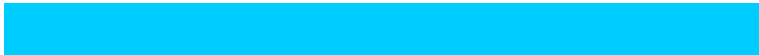
51.6652, 47.8916, 123.3563

Square

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



32.7620, 47.8916, 23.4369



33.8966, 47.8916, 104.2051



61.2214, 47.8916, 97.9870



59.5353, 47.8916, 21.1674

Rectangle

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



32.7620, 47.8916, 23.4369



29.1105, 47.8916, 60.0949



61.2214, 47.8916, 97.9870



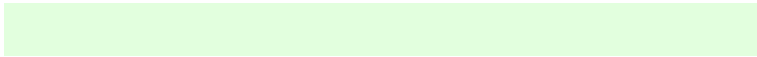
67.1632, 47.8916, 44.9306

Sweetspot

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



32.7632, 47.8936, 23.4380



80.4048, 93.0145, 82.7177



45.5511, 50.0830, 23.1865



16.7289, 19.6793, 16.8543



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.



32.7632, 47.8936, 23.4380



50.1937, 78.5522, 31.0592



33.1569, 47.8588, 34.1987



11.2079, 12.6091, 11.9225



13.9350, 27.3591, 4.5464



0.7664, 1.4359, 0.2368

Inverse Universe

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



37.9155, 27.2476, 59.1406



59.9576, 39.2285, 99.0195



37.7460, 27.5404, 41.9563



11.5313, 11.3232, 14.1482



18.2140, 8.5972, 36.6557



0.9822, 0.4655, 1.8930

Previews

White Background



This preview shows how the XYZ color 32.7620, 47.8916, 23.4369 looks on a white background.

Color Contrast Check

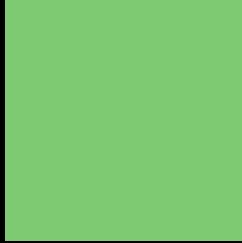
Large Text (above 18pt) WCAG AA × Fail

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 32.7620, 47.8916, 23.4369 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 32.7620, 47.8916, 23.4369

Background



This preview shows how black text looks on a background with the XYZ color 32.7620, 47.8916, 23.4369.



This preview shows how white text looks on a background with the XYZ color 32.7620, 47.8916,

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

32.7620, 47.8916, 23.4369

Protanopia

43.6747, 47.3460, 20.7467

Deuteranopia

48.2353, 47.2317, 24.3436



Tritanopia

41.2210, 47.6062, 66.0478

Trichromacy



Original Color

32.7620, 47.8916, 23.4369



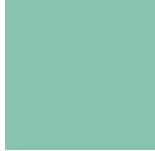
Protanomaly

38.6835, 46.9514, 21.7755



Deuteranomaly

40.8687, 46.4450, 23.9503



Tritanomaly

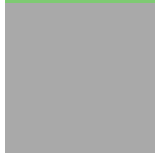
37.3745, 47.3657, 46.7078

Monochromacy



Original Color

32.7620, 47.8916, 23.4369



Achromatopsia

37.7116, 39.6755, 43.2066



Achromatomaly

35.0856, 41.9900, 34.6894

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.7620, 47.8916, 23.4369 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(126, 202, 114)` looks like.

```
.text, #text, p{  
    color:rgb(126, 202, 114)  
}
```

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(126, 202, 114) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(126, 202, 114) }
```

Border

The CSS property to change the border of an element to XYZ 32.7620, 47.8916, 23.4369 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(126, 202, 114) }
```


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

```
.border{ border-color:rgb(126, 202, 114) }
```

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

Here you see how a box with a 4 pixel `rgb(126, 202, 114)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(126, 202, 114); -webkit-box-  
shadow:4px 4px 4px 4px rgb(126, 202, 114);  
box-shadow:4px 4px 4px 4px rgb(126, 202,  
114) }
```

Background

The CSS property to change the background color of an element to XYZ 32.7620, 47.8916, 23.4369 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(126, 202, 114) }
```

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

```
.background{ background-color: rgb(126,  
202, 114) }
```

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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