

Converting Colors

XYZ(32.5015, 47.9259, 20.5546)

Have a look what the booklet for
XYZ(32.5015, 47.9259, 20.5546)
contains.

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Color

**XYZ(32.5213, 47.8297,
20.6147)**

Conversions

Conversions Part 1

Format	Color
Hex	80CA68
RGB	128, 202, 104
RGB Percent	50%, 79%, 41%
CMY	0.4980, 0.2078, 0.5921
CMYK	0.37, 0.00, 0.49, 0.21
HSL	105°, 48%, 60%
HSV	105°, 49%, 79%
XYZ	32.5213, 47.8297, 20.6147
YIQ	168.7020, -12.6460, -46.1660

Conversions

Conversions Part 2

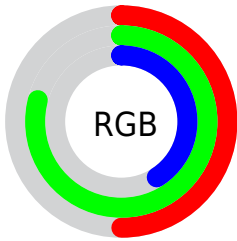
Format	Color
RYB	104, 202, 178
Decimal	8440424
CIELab	74.72, -41.31, 41.57
CIELCh	75, 58.602, 134.822
Yxy	47.8297, 0.3221, 0.4737
Android (android.graphics.Color)	4286630504 (0xFF80CA68)
YUV	168.7020, -31.8981, -35.6957
Hunter-Lab	69.1590, -37.0905, 30.7383

Details

The XYZ color **32.5213, 47.8297, 20.6147** is a dark color, and the websafe version is hex **99CC66**. A complement of this color would be **33.9733, 23.6314, 58.6504**, and the grayscale version is **37.7229, 39.6874, 43.2196**.

A 20% lighter version of the original color is **61.6130, 84.1447, 44.8925**, and **13.8240, 22.5409, 6.9904** is the 20% darker color. If you saturate the color by 10%, you get **29.4915, 46.3739, 15.7437**, and if you desaturate by 10%, it is **36.1442, 49.5657, 26.7983**.

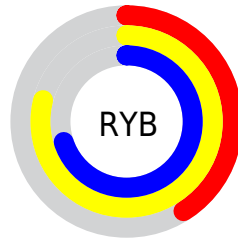
Distribution



Red (50%)

Green (79%)

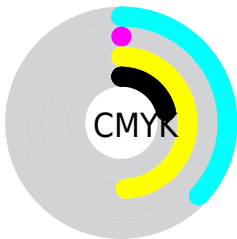
Blue (41%)



Red (41%)

Yellow (79%)

Blue (70%)

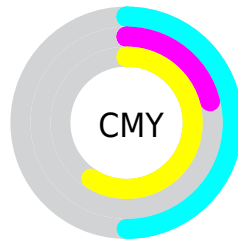


Cyan (37%)

Magenta (0%)

Yellow (49%)

Black (21%)



Cyan (50%)


Magenta (21%)


Yellow (59%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 32.5213, 47.8297, 20.6147 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 32.5213, 47.8297, 20.6147 by changing the saturation by 10% instead.


 32.5213, 47.8297,
20.6147


 32.5213, 47.8297,
20.6147


305.1904,
378.1167, 267.9371

 21.9175, 33.6920,
12.6542


 62.9871, 86.9508,
45.3178


 13.9125, 22.6571,
7.0629

 83.5798, 112.7030,
62.8975

 8.1411, 14.3405,
3.4224


 108.2329,
143.0955, 84.5206

 4.2380, 8.3579,
1.3142

 137.3116,
178.5128, 110.6058

 1.8376, 4.3248,
0.0734

171.1813,
219.3391, 141.5715

 0.5402, 1.8569,
0.0000

210.2075,

 0.0000, 0.5222,

265.9590, 177.8362

0.0000

254.7554,
318.7567, 219.8186

■ 0.0000, 0.0000,
0.0000

■ 32.5213, 47.8297,
20.6147

■ 32.5213, 47.8297,
20.6147

■ 29.4915, 46.3739,
15.7437

■ 36.1442, 49.5657,
26.7983

■ 27.0180, 45.1772,
12.0874

■ 40.3872, 51.5897,
34.3767

■ 25.0654, 44.2249,
9.5395


■ 45.2796, 53.9166,
43.4290


■ 23.5919, 43.4984,
7.9738


■ 50.8480, 56.5584,
54.0276


■ 22.5403, 42.9725,
7.1927


■ 57.1174, 59.5265,
66.2400

 22.4107, 42.9076,
7.1008

 64.1114, 62.8319,
80.1297

 71.8525, 66.4847,
95.7570

 78.6072, 69.7928,
103.9361

 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.



40.4299, 47.8297, 13.5113



32.5213, 47.8297, 20.6147



28.4499, 47.8297, 38.2064

Triad

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



32.5213, 47.8297, 20.6147



40.3164, 47.8297, 131.4649



68.2212, 47.8297, 38.4932

Complementary

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



32.5213, 47.8297, 20.6147



33.9733, 23.6314, 58.6504

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.



68.1780, 47.8297, 68.9574



32.5213, 47.8297, 20.6147



50.8924, 47.8297, 131.6397

Square

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



32.5213, 47.8297, 20.6147



32.4494, 47.8297, 105.1989



61.4443, 47.8297, 105.6109



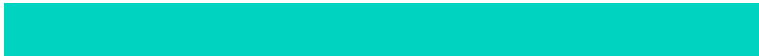
61.5543, 47.8297, 20.7538

Rectangle

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



32.5213, 47.8297, 20.6147



27.9837, 47.8297, 57.1555



61.4443, 47.8297, 105.6109



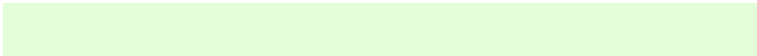
69.0209, 47.8297, 47.3113

Sweetspot

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



32.5225, 47.8317, 20.6158



79.6524, 92.7043, 79.1709



42.6789, 45.2003, 19.5725



16.6324, 19.6448, 16.1589



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.



32.5225, 47.8317, 20.6158



49.8017, 78.4516, 26.4554



30.7602, 46.7580, 28.0001



11.3211, 12.6674, 11.9278



14.4889, 27.6446, 4.5723



0.8184, 1.4627, 0.2392

Inverse Universe

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



33.9733, 23.6314, 58.6504



52.4664, 32.7828, 98.1702



37.2949, 25.6527, 44.8445



11.4088, 11.2600, 14.1425



15.3412, 7.1162, 36.5213



0.8573, 0.4011, 1.8872

Previews

White Background



This preview shows how the XYZ color 32.5213, 47.8297, 20.6147 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 32.5213, 47.8297, 20.6147 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

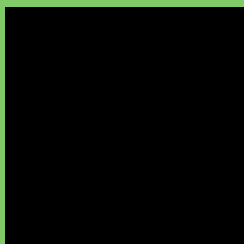
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 32.5213, 47.8297, 20.6147

Background



This preview shows how black text looks on a background with the XYZ color 32.5213, 47.8297, 20.6147.



This preview shows how white text looks on a background with the XYZ color 32.5213, 47.8297,

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

32.5213, 47.8297, 20.6147

Protanopia

43.4483, 47.2866, 18.1465

Deuteranopia

48.3234, 47.3372, 21.6290



Tritanopia

41.6254, 47.8288, 65.4305

Trichromacy



Original Color

32.5213, 47.8297, 20.6147



Protanomaly

38.3929, 46.8610, 19.0781



Deuteranomaly

40.7948, 46.4720, 21.0072



Tritanomaly

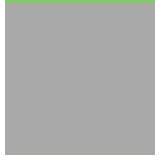
37.3240, 47.3838, 44.7149

Monochromacy



Original Color

32.5213, 47.8297, 20.6147



Achromatopsia

37.7116, 39.6755, 43.2066



Achromatomaly

34.9611, 41.9621, 33.0449

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.5213, 47.8297, 20.6147 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(128, 202, 104)` looks like.

```
.text, #text, p{  
    color:rgb(128, 202, 104)  
}
```

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(128, 202, 104) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 202, 104) }
```

Border

The CSS property to change the border of an element to XYZ 32.5213, 47.8297, 20.6147 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(128, 202, 104) }
```


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

```
.border{ border-color:rgb(128, 202, 104) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 202, 104)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 202, 104); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 202, 104);  
box-shadow:4px 4px 4px 4px rgb(128, 202,  
104) }
```

Background

The CSS property to change the background color of an element to XYZ 32.5213, 47.8297, 20.6147 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 202, 104) }
```

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

```
.background{ background-color: rgb(128,  
202, 104) }
```

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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