

Converting Colors

XYZ(32.2125, 45.8822, 29.8063)

Have a look what the booklet for
XYZ(32.2125, 45.8822, 29.8063)
contains.

XYZ(32.1545, 45.7187, 29.6841)	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(32.1545, 45.7187,
29.6841)**

Conversions

Conversions Part 1

Format	Color
Hex	79C586
RGB	121, 197, 134
RGB Percent	47%, 77%, 53%
CMY	0.5255, 0.2274, 0.4745
CMYK	0.39, 0.00, 0.32, 0.23
HSL	130°, 40%, 62%
HSV	130°, 39%, 77%
XYZ	32.1545, 45.7187, 29.6841
YIQ	167.0940, -25.0730, -35.7050

Conversions

Conversions Part 2

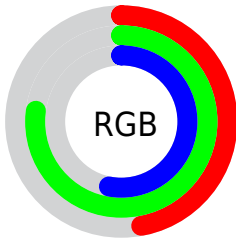
Format	Color
RYB	121, 186, 197
Decimal	7980422
CIELab	73.36, -36.79, 24.39
CIElCh	73, 44.140, 146.457
Yxy	45.7187, 0.2990, 0.4251
Android (android.graphics.Color)	4286170502 (0xFF79C586)
YUV	167.0940, -16.3153, -40.4244
Hunter-Lab	67.6156, -33.4419, 21.3019

Details

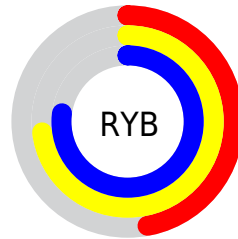
The XYZ color **32.1545, 45.7187, 29.6841** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **38.5166, 29.0067, 48.9180**, and the grayscale version is **36.8631, 38.7829, 42.2346**.

A 20% lighter version of the original color is **62.4234, 83.7446, 60.4512**, and **13.7374, 21.4783, 11.8092** is the 20% darker color. If you saturate the color by 10%, you get **28.6182, 44.0186, 24.0254**, and if you desaturate by 10%, it is **36.4328, 47.7836, 36.2977**.

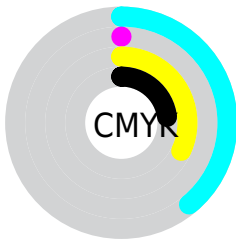
Distribution



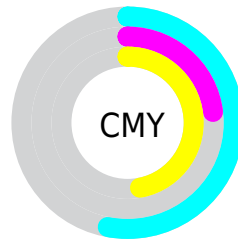
- Red (47%)
- Green (77%)
- Blue (53%)



- Red (47%)
- Yellow (73%)
- Blue (77%)



- Cyan (39%)
- Magenta (0%)
- Yellow (32%)
- Black (23%)



- Cyan (53%)
- Magenta (23%)
- Yellow (47%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 32.1545, 45.7187, 29.6841 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 32.1545, 45.7187, 29.6841 by changing the saturation by 10% instead.

■ 32.1545, 45.7187,
29.6841

■ 32.1545, 45.7187,
29.6841

303.5552,
369.6766, 314.5905

■ 21.6357, 32.0239,
19.3489

■ 62.4168, 83.7979,
60.2173

■ 13.7045, 21.3798,
11.7433

■ 82.8909, 108.9510,
81.2525

■ 7.9958, 13.4019,
6.4487

■ 107.4142,
138.6924, 106.6913

■ 4.1440, 7.7059,
3.0466

136.3520,
173.4064, 136.9525

■ 1.7839, 3.9073,
1.1185

170.0696,
213.4774, 172.4544

■ 0.5080, 1.6219,
0.0000

208.9325,

■ 0.0000, 0.3723,

259.2898, 213.6157

0.0000

253.3059,
311.2281, 260.8549

■ 0.0000, 0.0000,
0.0000

■ 32.1545, 45.7187,
29.6841

■ 32.1545, 45.7187,
29.6841

■ 28.6182, 44.0186,
24.0254

■ 36.4328, 47.7836,
36.2977

■ 25.7779, 42.6565,
19.2745

■ 41.4888, 50.2269,
43.9042

■ 23.5876, 41.6112,
15.3850


■ 47.3600, 53.0685,
52.5433


■ 21.9944, 40.8565,
12.3051


■ 54.0804, 56.3251,
62.2518


■ 20.9369, 40.3617,
9.9773


■ 61.6822, 60.0125,
73.0644

 20.3209, 40.0798,
8.3357

 70.1959, 64.1458,
85.0145

 20.2515, 40.0480,
8.1534

 78.1995, 67.9912,
98.0660

 79.2571, 68.4143,
103.6357

Harmonies

Analogous

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



37.1326, 45.7187, 20.4611



32.1545, 45.7187, 29.6841



30.1843, 45.7187, 47.1825

Triad

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



32.1545, 45.7187, 29.6841



42.5376, 45.7187, 105.8558



58.2476, 45.7187, 33.0480

Complementary

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



32.1545, 45.7187, 29.6841



38.5166, 29.0067, 48.9180

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.



60.1349, 45.7187, 52.4709



32.1545, 45.7187, 29.6841



50.4555, 45.7187, 98.7468

Square

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



32.1545, 45.7187, 29.6841



35.7113, 45.7187, 94.6313



57.1324, 45.7187, 77.3604



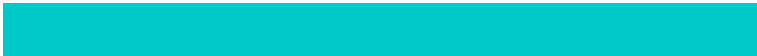
52.2426, 45.7187, 21.9577

Rectangle

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



32.1545, 45.7187, 29.6841



30.6442, 45.7187, 62.9107



57.1324, 45.7187, 77.3604



59.4133, 45.7187, 38.6165

Sweetspot

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



32.1557, 45.7206, 29.6851



80.8562, 93.1239, 88.3071



43.2664, 51.5468, 25.7587



17.0050, 19.7864, 18.4583



0.0000, 0.0000, 0.0000



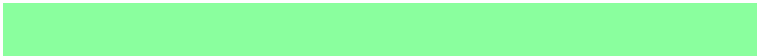
20.3446, 21.4041, 23.3091

Same Dimension

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



32.1557, 45.7206, 29.6851



52.3430, 79.3582, 44.8006



35.2672, 46.9652, 46.0700



10.5703, 11.9170, 11.6873



13.3413, 26.3489, 5.4760



0.6553, 1.2571, 0.3835

Inverse Universe

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



38.5166, 29.0067, 48.9180



65.2715, 45.3454, 83.8606



35.0790, 27.6317, 30.8157



11.0022, 10.7843, 12.9949



19.5384, 9.5649, 23.8430



0.9463, 0.4614, 1.2404

Previews

White Background



This preview shows how the XYZ color 32.1545, 45.7187, 29.6841 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 32.1545, 45.7187, 29.6841 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 32.1545, 45.7187, 29.6841

Background



This preview shows how black text looks on a background with the XYZ color 32.1545, 45.7187, 29.6841.



This preview shows how white text looks on a background with the XYZ color 32.1545, 45.7187,

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

32.1545, 45.7187, 29.6841

Protanopia

41.8783, 45.0840, 26.2335

Deuteranopia

45.9911, 45.0708, 30.7016



Tritanopia

38.7544, 45.4291, 63.2260

Trichromacy



Original Color

32.1545, 45.7187, 29.6841



Protanomaly

37.4577, 44.9183, 27.4647



Deuteranomaly

39.3993, 44.3189, 30.1447



Tritanomaly

35.8726, 45.2218, 48.9575

Monochromacy



Original Color

32.1545, 45.7187, 29.6841



Achromatopsia

36.7301, 38.6429, 42.0822



Achromatomaly

34.4145, 40.6914, 37.0507

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.1545, 45.7187, 29.6841 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(121, 197, 134)` looks like.

```
.text, #text, p{  
    color:rgb(121, 197, 134)  
}
```

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(121, 197, 134) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(121, 197, 134) }
```

Border

The CSS property to change the border of an element to XYZ 32.1545, 45.7187, 29.6841 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(121, 197, 134) }
```


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

```
.border{ border-color:rgb(121, 197, 134) }
```

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

Here you see how a box with a 4 pixel `rgb(121, 197, 134)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(121, 197, 134); -webkit-box-shadow:4px 4px 4px 4px rgb(121, 197, 134); box-shadow:4px 4px 4px 4px rgb(121, 197, 134) }
```

Background

The CSS property to change the background color of an element to XYZ 32.1545, 45.7187, 29.6841 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(121, 197, 134) }
```

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

```
.background{ background-color: rgb(121,  
197, 134) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor