

Converting Colors

XYZ(32.9466, 41.5319, 20.2177)

Have a look what the booklet for
XYZ(32.9466, 41.5319, 20.2177)
contains.

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Color

**XYZ(32.8994, 41.4860,
20.1835)**

Conversions

Conversions Part 1

Format	Color
Hex	9BB66B
RGB	155, 182, 107
RGB Percent	61%, 71%, 42%
CMY	0.3922, 0.2863, 0.5804
CMYK	0.15, 0.00, 0.41, 0.29
HSL	82°, 34%, 57%
HSV	82°, 41%, 71%
XYZ	32.8994, 41.4860, 20.1835
YIQ	165.3770, 7.9830, -29.0490

Conversions

Conversions Part 2

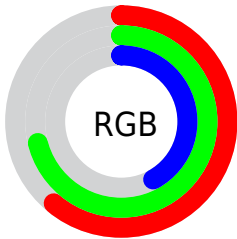
Format	Color
RYB	107, 182, 134
Decimal	10204779
CIELab	70.52, -21.85, 35.13
CIELCh	71, 41.367, 121.877
Yxy	41.4860, 0.3479, 0.4387
Android (android.graphics.Color)	4288394859 (0xFF9BB66B)
YUV	165.3770, -28.7799, -9.1006
Hunter-Lab	64.4096, -21.5419, 26.5075

Details

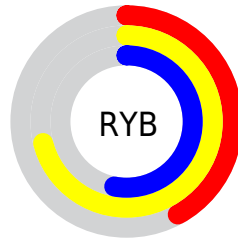
The XYZ color **32.8994, 41.4860, 20.1835** is a dark color, and the websafe version is hex **99CC66**. A complement of this color would be **23.5343, 18.9622, 46.6780**, and the grayscale version is **36.0775, 37.9564, 41.3345**.

A 20% lighter version of the original color is **63.4109, 77.3539, 44.3896**, and **14.0935, 18.8308, 6.8949** is the 20% darker color. If you saturate the color by 10%, you get **30.8175, 40.5133, 15.6032**, and if you desaturate by 10%, it is **35.2532, 42.5782, 25.8303**.

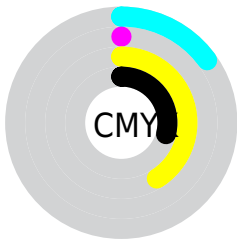
Distribution



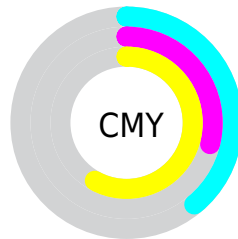
- Red (61%)
- Green (71%)
- Blue (42%)



- Red (42%)
- Yellow (71%)
- Blue (53%)



- Cyan (15%)
- Magenta (0%)
- Yellow (41%)
- Black (29%)



- Cyan (39%)
- Magenta (29%)
- Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 32.8994, 41.4860, 20.1835 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 32.8994, 41.4860, 20.1835 by changing the saturation by 10% instead.

■ 32.8994, 41.4860,
20.1835

■ 32.8994, 41.4860,
20.1835

306.8692,
352.3478, 265.5438

■ 22.2083, 28.6990,
12.3431

■ 63.5742, 77.4211,
44.5876

■ 14.1275, 18.8533,
6.8524

■ 84.2885, 101.3380,
61.9884

■ 8.2917, 11.5643,
3.2929

■ 109.0746,
129.7338, 83.4131

■ 4.3355, 6.4477,
1.2461

■ 138.2978,
162.9926, 109.2803

■ 1.8936, 3.1192,
0.0170

172.3236,
201.4991, 140.0083

■ 0.5731, 1.1943,
0.0000

211.5171,

■ 0.0000, 0.0570,

245.6375, 176.0159

0.0000

256.2439,
295.7922, 217.7216

■ 0.0000, 0.0000,
0.0000

■ 32.8994, 41.4860,
20.1835

■ 32.8994, 41.4860,
20.1835

■ 30.8175, 40.5133,
15.6032

■ 35.2532, 42.5782,
25.8303

■ 28.9907, 39.6489,
12.0194

■ 37.8884, 43.7895,
32.6022

■ 27.4045, 38.8885,
9.3582


■ 40.8180, 45.1268,
40.5568


■ 26.0417, 38.2249,
7.5342


■ 44.0529, 46.5943,
49.7470


■ 24.8819, 37.6499,
6.4460


■ 47.6035, 48.1966,
60.2225

 23.9947, 37.2033,
5.9163

 51.4797, 49.9375,
72.0301

 55.6910, 51.8211,
85.2145

 60.2463, 53.8509,
99.8182

 62.5035, 54.9702,
101.9238

Harmonies

Analogous

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



39.0029, 41.4860, 17.0593



32.8994, 41.4860, 20.1835



28.9535, 41.4860, 29.6715

Triad

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



32.8994, 41.4860, 20.1835



33.5636, 41.4860, 87.0828



54.0542, 41.4860, 43.9514

Complementary

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



32.8994, 41.4860, 20.1835



23.5343, 18.9622, 46.6780

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.



52.1733, 41.4860, 65.3022



32.8994, 41.4860, 20.1835



39.8626, 41.4860, 94.1050

Square

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



32.8994, 41.4860, 20.1835



29.3047, 41.4860, 68.0662



46.7749, 41.4860, 85.1900



51.6570, 41.4860, 28.0894

Rectangle

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



32.8994, 41.4860, 20.1835



27.8150, 41.4860, 40.0664



46.7749, 41.4860, 85.1900



53.9006, 41.4860, 50.6921

Sweetspot

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



32.9004, 41.4878, 20.1844



73.4464, 81.5588, 71.9932



30.3685, 27.8515, 17.6858



16.0648, 17.9422, 15.4671



88.6918, 93.3107, 101.6153



17.8044, 18.7317, 20.3988

Same Dimension

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



32.9004, 41.4878, 20.1844



56.3620, 73.6782, 29.3227



26.8883, 38.3885, 19.9030



9.4280, 10.3373, 9.6053



17.0185, 26.3097, 4.1813



0.6650, 0.9610, 0.1504

Inverse Universe

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



23.5343, 18.9622, 46.6780



37.1990, 27.5487, 83.5925



30.4429, 22.5237, 47.0013



8.8182, 8.8726, 11.3273



7.5938, 3.2260, 31.4755



0.3366, 0.1492, 1.1128

Previews

White Background



This preview shows how the XYZ color 32.8994, 41.4860, 20.1835 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 32.8994, 41.4860, 20.1835 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 32.8994, 41.4860, 20.1835

Background



This preview shows how black text looks on a background with the XYZ color 32.8994, 41.4860, 20.1835.



This preview shows how white text looks on a background with the XYZ color 32.8994, 41.4860,

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

32.8994, 41.4860, 20.1835

Protanopia

37.9397, 41.1757, 18.7800

Deuteranopia

41.8768, 40.9640, 20.7386



Tritanopia

39.5324, 41.5393, 52.3887

Trichromacy



Original Color

32.8994, 41.4860, 20.1835

Protanomaly

35.9285, 41.2803, 19.1710

Deuteranomaly

38.1164, 40.9430, 20.6457

Tritanomaly

36.5114, 41.1664, 37.9198

Monochromacy



Original Color

32.8994, 41.4860, 20.1835

Achromatopsia

35.7637, 37.6262, 40.9749

Achromatomaly

34.2949, 38.7165, 32.0511

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.8994, 41.4860, 20.1835 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(155, 182, 107)` looks like.

```
.text, #text, p{  
    color:rgb(155, 182, 107)  
}
```

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(155, 182, 107) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(155, 182, 107) }
```

Border

The CSS property to change the border of an element to XYZ 32.8994, 41.4860, 20.1835 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(155, 182, 107) }
```


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

```
.border{ border-color:rgb(155, 182, 107) }
```

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

Here you see how a box with a 4 pixel `rgb(155, 182, 107)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(155, 182, 107); -webkit-box-  
shadow:4px 4px 4px 4px rgb(155, 182, 107);  
box-shadow:4px 4px 4px 4px rgb(155, 182,  
107) }
```

Background

The CSS property to change the background color of an element to XYZ 32.8994, 41.4860, 20.1835 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(155, 182, 107) }
```

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

```
.background{ background-color: rgb(155,  
182, 107) }
```

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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