

Converting Colors

XYZ(21.8818, 32.8561, 20.1945)

Have a look what the booklet for
XYZ(21.8818, 32.8561, 20.1945)
contains.

XYZ(21.8382, 32.8264, 20.2241)	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(21.8382, 32.8264,
20.2241)**

Conversions

Conversions Part 1

Format	Color
Hex	5AAC6F
RGB	90, 172, 111
RGB Percent	35%, 67%, 44%
CMY	0.6471, 0.3255, 0.5647
CMYK	0.48, 0.00, 0.35, 0.33
HSL	135°, 33%, 51%
HSV	135°, 48%, 67%
XYZ	21.8382, 32.8264, 20.2241
YIQ	140.5280, -29.2910, -36.3550

Conversions

Conversions Part 2

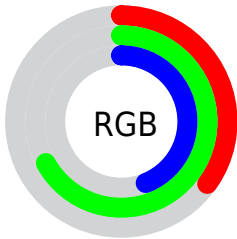
Format	Color
RYB	90, 155, 172
Decimal	5942383
CIELab	64.02, -38.67, 23.85
CIELCh	64, 45.438, 148.334
Yxy	32.8264, 0.2916, 0.4383
Android (android.graphics.Color)	4284132463 (0xFF5AAC6F)
YUV	140.5280, -14.5573, -44.3131
Hunter-Lab	57.2943, -32.2283, 19.1775

Details

The XYZ color **21.8382, 32.8264, 20.2241** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **26.2563, 18.3180, 31.4310**, and the grayscale version is **25.1967, 26.5089, 28.8682**.

A 20% lighter version of the original color is **46.0313, 64.1509, 44.6066**, and **8.0935, 13.8648, 6.8070** is the 20% darker color. If you saturate the color by 10%, you get **19.7001, 31.8008, 16.7064**, and if you desaturate by 10%, it is **24.4661, 34.0947, 24.2931**.

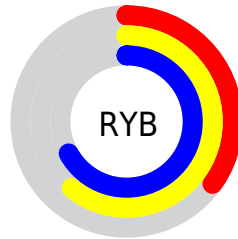
Distribution



Red (35%)

Green (67%)

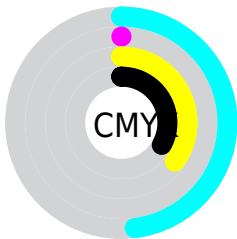
Blue (44%)



Red (35%)

Yellow (61%)

Blue (67%)

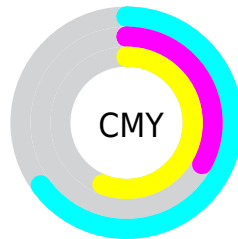


Cyan (48%)

Magenta (0%)

Yellow (35%)

Black (33%)



Cyan (65%)

Magenta (33%)

Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.8382, 32.8264, 20.2241 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 21.8382, 32.8264, 20.2241 by changing the saturation by 10% instead.

■ 21.8382, 32.8264,
20.2241

■ 21.8382, 32.8264,
20.2241

254.3484,
314.8668, 265.7700

■ 13.8540, 21.9935,
12.3724

■ 45.9593, 64.1044,
44.6565

■ 8.1002, 13.8521,
6.8722

■ 62.8269, 85.3183,
62.0742

■ 4.2115, 8.0179,
3.3051

■ 83.3863, 110.7613,
83.5177

■ 1.8225, 4.1064,
1.2524

■ 108.0029,
140.8178, 109.4054

■ 0.5311, 1.7333,
0.0223

137.0421,
175.8722, 140.1560

■ 0.0000, 0.4450,
0.0000

170.8691,

■ 0.0000, 0.0000,

216.3089, 176.1879

0.0000

209.8495,
262.5123, 217.9197

■ 21.8382, 32.8264,
20.2241

■ 21.8382, 32.8264,
20.2241

■ 19.7001, 31.8008,
16.7064

■ 24.4661, 34.0947,
24.2931

■ 18.0179, 30.9980,
13.7138

■ 27.6097, 35.6159,
28.9333

■ 16.7572, 30.4020,
11.2218


■ 31.2961, 37.4043,
34.1666


■ 15.8775, 29.9923,
9.2024


■ 35.5499, 39.4722,
40.0130


■ 15.3168, 29.7376,
7.6247


■ 40.3940, 41.8310,
46.4915

 15.2087, 29.6885,
7.3167

 45.8500, 44.4915,
53.6203

 51.9384, 47.4640,
61.4169

 58.6790, 50.7581,
69.8980

 66.0903, 54.3833,
79.0800

Harmonies

Analogous

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



25.7064, 32.8264, 12.7988



21.8382, 32.8264, 20.2241



20.4267, 32.8264, 34.7257

Triad

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



21.8382, 32.8264, 20.2241



30.8435, 32.8264, 83.9380



43.3612, 32.8264, 21.4649

Complementary

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



21.8382, 32.8264, 20.2241



26.2563, 18.3180, 31.4310

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.



45.2204, 32.8264, 36.7787



21.8382, 32.8264, 20.2241



37.4265, 32.8264, 76.7074

Square

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



21.8382, 32.8264, 20.2241



25.1647, 32.8264, 75.0122



42.9163, 32.8264, 57.6711



38.1317, 32.8264, 13.3234

Rectangle

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



21.8382, 32.8264, 20.2241



20.8983, 32.8264, 48.0416



42.9163, 32.8264, 57.6711



44.4301, 32.8264, 25.7448

Sweetspot

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



21.8390, 32.8278, 20.2248



59.2976, 69.0804, 65.4852



29.4547, 36.8720, 15.2377



12.5483, 14.8483, 13.7626



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123

Same Dimension

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



21.8390, 32.8278, 20.2248



35.6182, 57.6318, 30.1027



24.5965, 33.9308, 34.7456



7.9855, 8.9718, 8.9489



11.3368, 22.1000, 5.5471



0.3376, 0.6237, 0.2714

Inverse Universe

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



26.2563, 18.3180, 31.4310



44.5673, 28.1570, 52.7476



23.5121, 17.2203, 16.9800



8.2481, 8.1125, 9.6175



15.5808, 7.6949, 15.9698



0.4540, 0.2223, 0.5523

Previews

White Background



This preview shows how the XYZ color 21.8382, 32.8264, 20.2241 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 21.8382, 32.8264, 20.2241 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 21.8382, 32.8264, 20.2241

Background



This preview shows how black text looks on a background with the XYZ color 21.8382, 32.8264, 20.2241.



This preview shows how white text looks on a background with the XYZ color 21.8382, 32.8264,

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

21.8382, 32.8264, 20.2241

Protanopia

29.9906, 32.3262, 17.7556

Deuteranopia

33.0337, 32.3858, 21.0330



Tritanopia

27.1551, 32.7894, 46.4927

Trichromacy



Original Color

21.8382, 32.8264, 20.2241

Protanomaly

26.0462, 32.0402, 18.7215

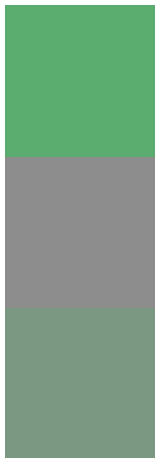
Deuteranomaly

27.4887, 31.7184, 20.5930

Tritanomaly

24.8240, 32.6467, 35.1301

Monochromacy



Original Color

21.8382, 32.8264, 20.2241

Achromatopsia

25.3171, 26.6356, 29.0061

Achromatomaly

23.2835, 28.2058, 25.3362

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.8382, 32.8264, 20.2241 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(90, 172, 111)` looks like.

```
.text, #text, p{  
    color:rgb(90, 172, 111)  
}
```

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(90, 172, 111) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(90, 172, 111) }
```

Border

The CSS property to change the border of an element to XYZ 21.8382, 32.8264, 20.2241 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(90, 172, 111) }
```


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

```
.border{ border-color:rgb(90, 172, 111) }
```

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

Here you see how a box with a 4 pixel `rgb(90, 172, 111)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(90, 172, 111); -webkit-box-  
shadow:4px 4px 4px 4px rgb(90, 172, 111);  
box-shadow:4px 4px 4px 4px rgb(90, 172,  
111) }
```

Background

The CSS property to change the background color of an element to XYZ 21.8382, 32.8264, 20.2241 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(90, 172, 111) }
```

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

```
.background{ background-color: rgb(90, 172,  
111) }
```

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