

Converting Colors

XYZ(21.6994, 33.8804, 14.3124)

Have a look what the booklet for
XYZ(21.6994, 33.8804, 14.3124)
contains.

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Color

**XYZ(21.6664, 33.7277,
14.3850)**

Conversions

Conversions Part 1

Format	Color
Hex	5EAF57
RGB	94, 175, 87
RGB Percent	37%, 69%, 34%
CMY	0.6314, 0.3137, 0.6588
CMYK	0.46, 0.00, 0.50, 0.31
HSL	115°, 35%, 51%
HSV	115°, 50%, 69%
XYZ	21.6664, 33.7277, 14.3850
YIQ	140.7490, -20.0280, -44.5400

Conversions

Conversions Part 2

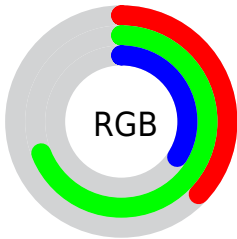
Format	Color
RYB	87, 175, 168
Decimal	6205271
CIELab	64.75, -42.61, 37.35
CIElCh	65, 56.663, 138.758
Yxy	33.7277, 0.3105, 0.4833
Android (android.graphics.Color)	4284395351 (0xFF5EAF57)
YUV	140.7490, -26.4983, -40.9989
Hunter-Lab	58.0756, -35.0388, 25.9671

Details

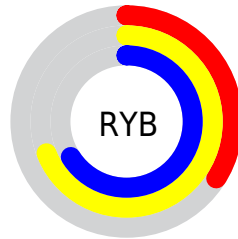
The XYZ color **21.6664, 33.7277, 14.3850** is a dark color, and the websafe version is hex **66CC66**. A complement of this color would be **27.2960, 18.2374, 42.6406**, and the grayscale version is **25.3259, 26.6449, 29.0163**.

A 20% lighter version of the original color is **45.6305, 65.4055, 34.6456**, and **8.0723, 14.4523, 4.1978** is the 20% darker color. If you saturate the color by 10%, you get **19.5535, 32.7123, 10.9958**, and if you desaturate by 10%, it is **24.2990, 34.9930, 18.7046**.

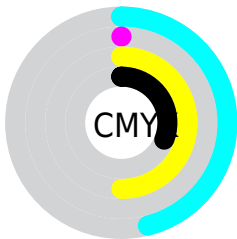
Distribution



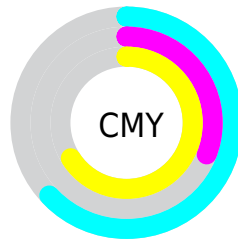
- Red (37%)
- Green (69%)
- Blue (34%)



- Red (34%)
- Yellow (69%)
- Blue (66%)



- Cyan (46%)
- Magenta (0%)
- Yellow (50%)
- Black (31%)



- Cyan (63%)
- Magenta (31%)
- Yellow (66%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.6664, 33.7277, 14.3850 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 21.6664, 33.7277, 14.3850 by changing the saturation by 10% instead.

■ 21.6664, 33.7277,
14.3850

■ 21.6664, 33.7277,
14.3850

253.4644,
318.9162, 231.1241

■ 13.7272, 22.6845,
8.2471

■ 45.6770, 65.5100,
34.4975

■ 8.0116, 14.3607,
4.1634

■ 62.4791, 87.0179,
49.3092

■ 4.1542, 8.3720,
1.7154

■ 82.9662, 112.7828,
67.8493

■ 1.7898, 4.3339,
0.3713

■ 107.5037,
143.1891, 90.5363

■ 0.5115, 1.8620,
0.0000

■ 136.4569,
178.6211, 117.7887

■ 0.0000, 0.5254,
0.0000

170.1912,

■ 0.0000, 0.0000,

219.4634, 150.0251

0.0000

209.0719,
266.1003, 187.6641

■ 21.6664, 33.7277,
14.3850

■ 21.6664, 33.7277,
14.3850

■ 19.5535, 32.7123,
10.9958

■ 24.2990, 34.9930,
18.7046

■ 17.9236, 31.9263,
8.4668

■ 27.4801, 36.5187,
24.0138

■ 16.7388, 31.3530,
6.7211

■ 31.2392, 38.3198,
30.3694

■ 15.9547, 30.9712,
5.6675

■ 35.6031, 40.4090,
37.8232

■ 15.5104, 30.7539,
5.1186

■ 40.5968, 42.7982,
46.4238

■ 46.2440, 45.4985,
56.2165

■ 52.5672, 48.5207,
67.2446

■ 59.5876, 51.8748,
79.5490

■ 67.3257, 55.5705,
93.1686

Harmonies

Analogous

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



27.2812, 33.7277, 8.5258



21.6664, 33.7277, 14.3850



19.0220, 33.7277, 28.6571

Triad

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



21.6664, 33.7277, 14.3850



29.1006, 33.7277, 100.5984



49.2857, 33.7277, 24.1090

Complementary

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



21.6664, 33.7277, 14.3850



27.2960, 18.2374, 42.6406

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.



49.9968, 33.7277, 46.1776



21.6664, 33.7277, 14.3850



37.3603, 33.7277, 97.6492

Square

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



21.6664, 33.7277, 14.3850



22.8035, 33.7277, 81.8133



45.3305, 33.7277, 74.9262



43.5265, 33.7277, 12.2726

Rectangle

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



21.6664, 33.7277, 14.3850



18.9389, 33.7277, 43.9832



45.3305, 33.7277, 74.9262



50.1554, 33.7277, 30.3105

Sweetspot

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



21.6672, 33.7291, 14.3858



59.7356, 70.4411, 60.8461



33.3421, 37.6860, 14.5342



12.9232, 15.4870, 12.9202



84.5950, 89.0005, 96.9216



16.2198, 17.0645, 18.5832

Same Dimension

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



21.6672, 33.7291, 14.3858



34.7696, 58.4644, 19.3001



22.8785, 34.1345, 24.3422



7.9613, 8.9687, 8.5249



11.1294, 22.0345, 3.6665



0.3283, 0.6226, 0.1029

Inverse Universe

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



27.2960, 18.2374, 42.6406



45.9350, 27.6052, 75.5442



25.7002, 17.7759, 26.2491



8.2733, 8.1152, 10.0830



16.1029, 7.6612, 29.6746



0.4661, 0.2225, 0.8264

Previews

White Background



This preview shows how the XYZ color 21.6664, 33.7277, 14.3850 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 21.6664, 33.7277, 14.3850 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 21.6664, 33.7277, 14.3850

Background



This preview shows how black text looks on a background with the XYZ color 21.6664, 33.7277, 14.3850.



This preview shows how white text looks on a background with the XYZ color 21.6664, 33.7277,

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

21.6664, 33.7277, 14.3850

Protanopia

30.3869, 33.1417, 12.5800

Deuteranopia

33.7541, 33.1219, 15.2038



Tritanopia

28.1731, 33.5694, 47.1141

Trichromacy



Original Color

21.6664, 33.7277, 14.3850

Protanomaly

26.1601, 32.7482, 13.1259

Deuteranomaly

27.4416, 32.0791, 14.6431

Tritanomaly

25.1245, 33.4235, 31.9152

Monochromacy



Original Color

21.6664, 33.7277, 14.3850

Achromatopsia

25.3171, 26.6356, 29.0061

Achromatomaly

23.1546, 28.4480, 22.3598

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.6664, 33.7277, 14.3850 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(94, 175, 87)` looks like.

```
.text, #text, p{  
    color:rgb(94, 175, 87)  
}
```

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(94, 175, 87) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(94, 175, 87) }
```

Border

The CSS property to change the border of an element to XYZ 21.6664, 33.7277, 14.3850 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(94, 175, 87) }
```


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

```
.border{ border-color:rgb(94, 175, 87) }
```

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

Here you see how a box with a 4 pixel rgb(94, 175, 87) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(94, 175, 87); -webkit-box-  
shadow:4px 4px 4px 4px rgb(94, 175, 87);  
box-shadow:4px 4px 4px 4px rgb(94, 175,  
87) }
```

Background

The CSS property to change the background color of an element to XYZ 21.6664, 33.7277, 14.3850 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(94, 175, 87) }
```

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

```
.background{ background-color: rgb(94, 175,  
87) }
```

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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