

Converting Colors

XYZ(34.2885, 58.5863, 21.1629)

Have a look what the booklet for
XYZ(34.2885, 58.5863, 21.1629)
contains.

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Color

**XYZ(34.2624, 58.5928,
21.0590)**

Conversions

Conversions Part 1

Format	Color
Hex	5BE462
RGB	91, 228, 98
RGB Percent	36%, 89%, 38%
CMY	0.6431, 0.1059, 0.6157
CMYK	0.60, 0.00, 0.57, 0.11
HSL	123°, 72%, 63%
HSV	123°, 60%, 89%
XYZ	34.2624, 58.5928, 21.0590
YIQ	172.2170, -39.9220, -69.4740

Conversions

Conversions Part 2

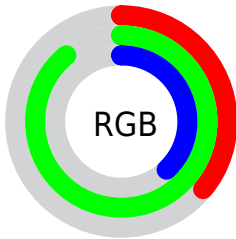
Format	Color
RYB	91, 221, 228
Decimal	6022242
CIELab	81.07, -62.55, 51.70
CIElCh	81, 81.145, 140.426
Yxy	58.5928, 0.3008, 0.5144
Android (android.graphics.Color)	4284212322 (0xFF5BE462)
YUV	172.2170, -36.5890, -71.2273
Hunter-Lab	76.5459, -54.0578, 37.2705

Details

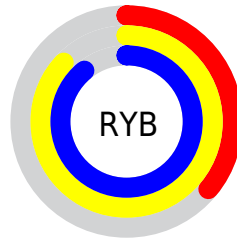
The XYZ color **34.2624, 58.5928, 21.0590** is a dark color, and the websafe version is hex **33CC33**. The color can be described as middle muted spring green. A complement of this color would be **48.7888, 29.1975, 71.4718**, and the grayscale version is **39.5180, 41.5760, 45.2763**.

A 20% lighter version of the original color is **54.5644, 80.5593, 42.3794**, and **15.0175, 29.3077, 7.2483** is the 20% darker color. If you saturate the color by 10%, you get **31.4598, 57.2522, 16.2976**, and if you desaturate by 10%, it is **38.0265, 60.4005, 27.3088**.

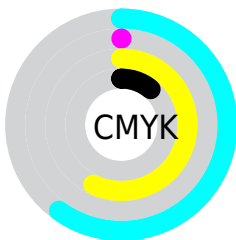
Distribution



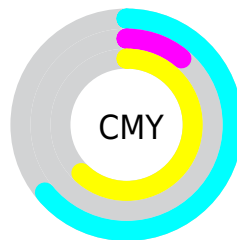
- Red (36%)
- Green (89%)
- Blue (38%)



- Red (36%)
- Yellow (87%)
- Blue (89%)



- Cyan (60%)
- Magenta (0%)
- Yellow (57%)
- Black (11%)





- Cyan (64%)
- Magenta (11%)
- Yellow (62%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 34.2624, 58.5928, 21.0590 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 34.2624, 58.5928, 21.0590 by changing the saturation by 10% instead.


 34.2624, 58.5928,
21.0590


 34.2624, 58.5928,
21.0590


312.8659,
419.3912, 270.3832


 23.2591, 42.2854,
12.9755


 65.6831, 102.7856,
46.0678


 14.9067, 29.3248,
7.2811


 86.8312, 131.4398,
63.8301

 8.8398, 19.3267,
3.5574


 112.0916,
164.9784, 85.6558

 4.6931, 11.9066,
1.3858

 141.8297,
203.7858, 111.9633

 2.1012, 6.6801,
0.1306

176.4108,
248.2464, 143.1713

 0.6899, 3.2629,
0.0000

216.2003,

 0.0000, 1.2705,

298.7446, 179.6983

0.0000

261.5635,
355.6647, 221.9627

■ 0.0000, 0.1182,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 34.2624, 58.5928,
21.0590

■ 34.2624, 58.5928,
21.0590

■ 31.4598, 57.2522,
16.2976

■ 38.0265, 60.4005,
27.3088

■ 29.5277, 56.3294,
12.8975


■ 42.8240, 62.7052,
35.1525


■ 28.3647, 55.7770,
10.7172


■ 48.7252, 65.5423,
44.6903


■ 27.8088, 55.5148,
9.5866

■ 55.7927, 68.9424,
56.0134

 64.0845, 72.9336,
69.2064

 73.6549, 77.5421,
84.3484

 84.5546, 82.7925,
101.5139

 87.0346, 83.9691,
106.2282

Harmonies

Analogous

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



45.1305, 58.5928, 10.3630



34.2624, 58.5928, 21.0590



29.4603, 58.5928, 49.5740

Triad

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



34.2624, 58.5928, 21.0590



50.4733, 58.5928, 206.0259



91.9093, 58.5928, 36.5825

Complementary

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



34.2624, 58.5928, 21.0590



48.7888, 29.1975, 71.4718

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.



94.1420, 58.5928, 80.5107



34.2624, 58.5928, 21.0590



67.7817, 58.5928, 196.2609

Square

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



34.2624, 58.5928, 21.0590



37.4932, 58.5928, 165.3898



84.5864, 58.5928, 143.0599



78.9894, 58.5928, 15.6707

Rectangle

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



34.2624, 58.5928, 21.0590



29.5150, 58.5928, 82.1070



84.5864, 58.5928, 143.0599



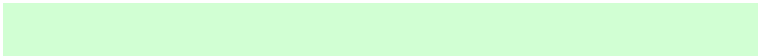
94.0234, 58.5928, 48.4350

Sweetspot

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



34.2638, 58.5952, 21.0603



73.8967, 89.8155, 75.3630



59.4987, 71.6408, 20.5899



15.1923, 18.9236, 15.1340



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.



34.2638, 58.5952, 21.0603



39.8651, 73.4656, 19.8215



38.9744, 60.4795, 45.8658



14.2190, 16.1010, 15.4182



16.0701, 32.0601, 5.6032



1.1981, 2.3734, 0.4698

Inverse Universe

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



48.7888, 29.1975, 71.4718



60.0943, 32.4478, 89.9754



41.4585, 26.2654, 32.8713



14.9616, 14.6018, 17.9983



25.6718, 12.4030, 38.7625



1.9069, 0.9205, 2.9162

Previews

White Background



This preview shows how the XYZ color 34.2624, 58.5928, 21.0590 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 34.2624, 58.5928, 21.0590 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

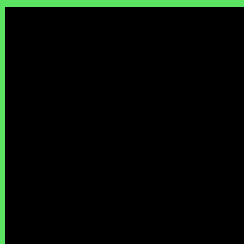
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 34.2624, 58.5928, 21.0590

Background



This preview shows how black text looks on a background with the XYZ color 34.2624, 58.5928, 21.0590.

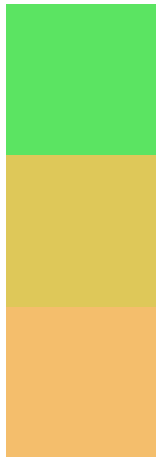


This preview shows how white text looks on a background with the XYZ color 34.2624, 58.5928,

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

34.2624, 58.5928, 21.0590

Protanopia

52.5816, 57.5594, 17.7899

Deuteranopia

58.4285, 57.1427, 22.1375



Tritanopia

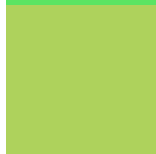
46.7826, 58.1477, 84.3592

Trichromacy



Original Color

34.2624, 58.5928, 21.0590



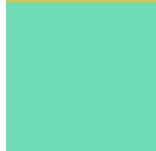
Protanomaly

42.4339, 55.8646, 18.6717



Deuteranomaly

44.8306, 54.8766, 21.3261



Tritanomaly

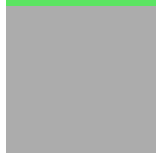
40.5609, 57.5267, 53.7657

Monochromacy



Original Color

34.2624, 58.5928, 21.0590



Achromatopsia

39.2122, 41.2543, 44.9259



Achromatomaly

35.2882, 45.5832, 33.7266

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.2624, 58.5928, 21.0590 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(91, 228, 98)` looks like.

```
.text, #text, p{  
    color:rgb(91, 228, 98)  
}
```

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(91, 228, 98) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(91, 228, 98) }
```

Border

The CSS property to change the border of an element to XYZ 34.2624, 58.5928, 21.0590 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(91, 228, 98) }
```


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

```
.border{ border-color:rgb(91, 228, 98) }
```

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

Here you see how a box with a 4 pixel rgb(91, 228, 98) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(91, 228, 98); -webkit-box-  
shadow:4px 4px 4px 4px rgb(91, 228, 98);  
box-shadow:4px 4px 4px 4px rgb(91, 228,  
98) }
```

Background

The CSS property to change the background color of an element to XYZ 34.2624, 58.5928, 21.0590 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(91, 228, 98) }
```

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

```
.background{ background-color: rgb(91, 228,  
98) }
```

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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