

Converting Colors

XYZ(34.8667, 42.2117, 20.2475)

Have a look what the booklet for
XYZ(34.8667, 42.2117, 20.2475)
contains.

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Color

**XYZ(34.9036, 42.2163,
20.2189)**

Conversions

Conversions Part 1

Format	Color
Hex	A6B56B
RGB	166, 181, 107
RGB Percent	65%, 71%, 42%
CMY	0.3490, 0.2902, 0.5804
CMYK	0.08, 0.00, 0.41, 0.29
HSL	72°, 33%, 56%
HSV	72°, 41%, 71%
XYZ	34.9036, 42.2163, 20.2189
YIQ	168.0790, 14.8140, -26.1940

Conversions

Conversions Part 2

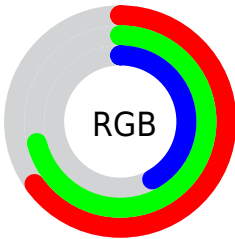
Format	Color
RYB	107, 181, 122
Decimal	10925419
CIELab	71.02, -17.03, 35.93
CIELCh	71, 39.764, 115.362
Yxy	42.2163, 0.3586, 0.4337
Android (android.graphics.Color)	4289115499 (0xFFA6B56B)
YUV	168.0790, -30.1119, -1.8233
Hunter-Lab	64.9741, -17.8157, 27.0317

Details

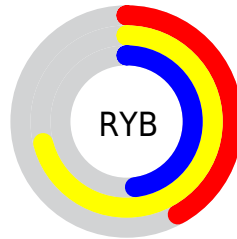
The XYZ color **34.9036, 42.2163, 20.2189** is a light color, and the websafe version is hex **999966**. A complement of this color would be **21.6259, 17.9903, 46.0512**, and the grayscale version is **37.3973, 39.3449, 42.8466**.

A 20% lighter version of the original color is **66.6664, 78.6012, 44.4587**, and **15.2929, 19.2545, 6.9135** is the 20% darker color. If you saturate the color by 10%, you get **33.2913, 41.4852, 15.6824**, and if you desaturate by 10%, it is **36.7394, 43.0422, 25.8081**.

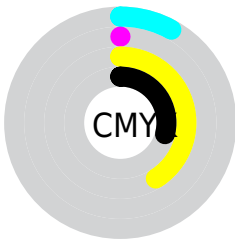
Distribution



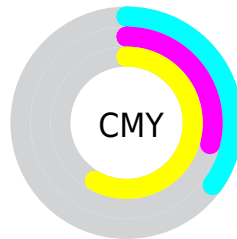
- Red (65%)
- Green (71%)
- Blue (42%)



- Red (42%)
- Yellow (71%)
- Blue (48%)



- Cyan (8%)
- Magenta (0%)
- Yellow (41%)
- Black (29%)



- Cyan (35%)
- Magenta (29%)
- Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 34.9036, 42.2163, 20.2189 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 34.9036, 42.2163, 20.2189 by changing the saturation by 10% instead.

■ 34.9036, 42.2163,
20.2189

■ 34.9036, 42.2163,
20.2189

315.6581,
355.3788, 265.7410

■ 23.7548, 29.2707,
12.3686

■ 66.6714, 78.5269,
44.6477

■ 15.2756, 19.2857,
6.8697

■ 88.0211, 102.6606,
62.0632

■ 9.1006, 11.8769,
3.3035

■ 113.5018,
131.2926, 83.5043

■ 4.8645, 6.6599,
1.2516

■ 143.4789,
164.8071, 109.3894

■ 2.2019, 3.2503,
0.0216

178.3178,
203.5886, 140.1371

■ 0.7437, 1.2638,
0.0000

218.3836,

■ 0.0000, 0.1129,

248.0214, 176.1659

0.0000

264.0420,
298.4900, 217.8943

■ 0.0000, 0.0000,
0.0000

■ 34.9036, 42.2163,
20.2189

■ 34.9036, 42.2163,
20.2189

■ 33.2913, 41.4852,
15.6824

■ 36.7394, 43.0422,
25.8081

■ 31.8865, 40.8382,
12.1298

■ 38.8070, 43.9620,
32.5075

■ 30.6762, 40.2715,
9.4886


■ 41.1184, 44.9818,
40.3740

■ 29.6442, 39.7786,
7.6748


■ 43.6836, 46.1058,
49.4594


■ 28.7716, 39.3518,
6.5893


■ 46.5119, 47.3377,
59.8126

 28.0796, 39.0063,
6.0490

 49.6125, 48.6810,
71.4799

 52.9937, 50.1393,
84.5050

 56.6636, 51.7157,
98.9299

 58.1360, 52.4159,
101.6609

Harmonies

Analogous

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



41.1661, 42.2163, 18.3139



34.9036, 42.2163, 20.2189



30.5149, 42.2163, 28.1652

Triad

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



34.9036, 42.2163, 20.2189



33.3002, 42.2163, 83.0700



54.2363, 42.2163, 48.9854

Complementary

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



34.9036, 42.2163, 20.2189



21.6259, 17.9903, 46.0512

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.



51.5674, 42.2163, 70.0262



34.9036, 42.2163, 20.2189



39.1023, 42.2163, 92.8648

Square

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



34.9036, 42.2163, 20.2189



29.6632, 42.2163, 63.4655



45.8435, 42.2163, 87.5322



52.7967, 42.2163, 32.0216

Rectangle

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



34.9036, 42.2163, 20.2189



29.0013, 42.2163, 37.3352



45.8435, 42.2163, 87.5322



53.7823, 42.2163, 55.8348

Sweetspot

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



34.9046, 42.2182, 20.2198



73.0676, 80.3061, 70.3278



28.6464, 24.7566, 17.1792



15.6749, 17.3052, 14.7947



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

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



34.9046, 42.2182, 20.2198



59.9104, 74.4274, 28.8652



28.2629, 38.7942, 19.9090



9.0250, 9.8179, 9.0719



19.4141, 26.9184, 4.1725



0.6537, 0.8690, 0.1333

Inverse Universe

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



21.6259, 17.9903, 46.0512



32.9314, 25.1585, 81.4150



27.8581, 21.2031, 46.3429



8.1976, 8.3104, 10.6783



6.3155, 2.5916, 30.3043



0.2456, 0.1057, 0.9557

Previews

White Background



This preview shows how the XYZ color 34.9036, 42.2163, 20.2189 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 34.9036, 42.2163, 20.2189 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

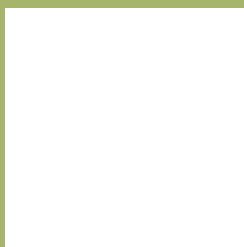
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 34.9036, 42.2163, 20.2189

Background



This preview shows how black text looks on a background with the XYZ color 34.9036, 42.2163, 20.2189.



This preview shows how white text looks on a background with the XYZ color 34.9036, 42.2163,

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

34.9036, 42.2163, 20.2189

Protanopia

38.8699, 42.2187, 19.1971

Deuteranopia

42.7452, 41.9535, 20.5968



Tritanopia

41.4140, 42.2379, 51.8689

Trichromacy



Original Color

34.9036, 42.2163, 20.2189

Protanomaly

37.3280, 42.2880, 19.5596

Deuteranomaly

39.3155, 41.5674, 20.4192

Tritanomaly

38.4290, 41.8649, 37.9536

Monochromacy



Original Color

34.9036, 42.2163, 20.2189

Achromatopsia

37.2190, 39.1572, 42.6422

Achromatomaly

36.0682, 40.1780, 33.0483

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.9036, 42.2163, 20.2189 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(166, 181, 107)` looks like.

```
.text, #text, p{  
    color:rgb(166, 181, 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(166, 181, 107) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 181, 107) }
```

Border

The CSS property to change the border of an element to XYZ 34.9036, 42.2163, 20.2189 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(166, 181, 107) }
```


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

```
.border{ border-color:rgb(166, 181, 107) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 181, 107)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 181, 107); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 181, 107);  
box-shadow:4px 4px 4px 4px rgb(166, 181,  
107) }
```

Background

The CSS property to change the background color of an element to XYZ 34.9036, 42.2163, 20.2189 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 181, 107) }
```

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

```
.background{ background-color: rgb(166,  
181, 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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