

Converting Colors

XYZ(34.9936, 46.6091, 10.2841)

Have a look what the booklet for
XYZ(34.9936, 46.6091, 10.2841)
contains.

XYZ(34.9936, 46.6091, 10.2841)	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(34.9936, 46.6091,
10.2841)**

Conversions

Conversions Part 1

Format	Color
Hex	A3C233
RGB	163, 194, 51
RGB Percent	64%, 76%, 20%
CMY	0.3608, 0.2392, 0.8000
CMYK	0.16, 0.00, 0.74, 0.24
HSL	73°, 58%, 48%
HSV	73°, 74%, 76%
XYZ	34.9936, 46.6091, 10.2841
YIQ	168.4290, 27.4270, -51.0450

Conversions

Conversions Part 2

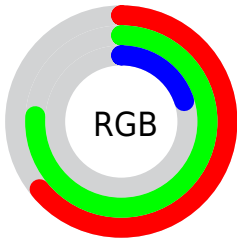
Format	Color
RYB	51, 194, 82
Decimal	10732083
CIELab	73.94, -29.31, 63.99
CIELCh	74, 70.378, 114.610
Yxy	46.6091, 0.3808, 0.5072
Android (android.graphics.Color)	4288922163 (0xFFA3C233)
YUV	168.4290, -57.8925, -4.7612
Hunter-Lab	68.2709, -27.9802, 38.8583

Details

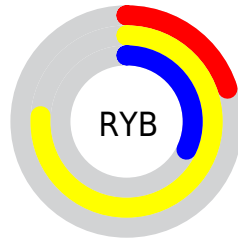
The XYZ color **34.9936, 46.6091, 10.2841** is a dark color, and the websafe version is hex **99CC33**. The color can be described as middle muted chartreuse. A complement of this color would be **14.4028, 8.0577, 51.8379**, and the grayscale version is **37.6984, 39.6616, 43.1915**.

A 20% lighter version of the original color is **66.9698, 85.4280, 26.8695**, and **15.4415, 21.8820, 3.4098** is the 20% darker color. If you saturate the color by 10%, you get **33.8053, 46.0376, 8.4430**, and if you desaturate by 10%, it is **36.3911, 47.2709, 13.0680**.

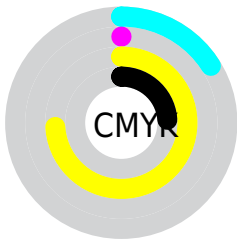
Distribution



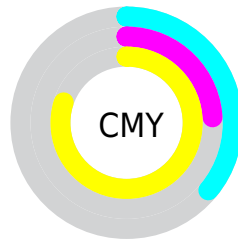
- Red (64%)
- Green (76%)
- Blue (20%)



- Red (20%)
- Yellow (76%)
- Blue (32%)



- Cyan (16%)
- Magenta (0%)
- Yellow (74%)
- Black (24%)





- Cyan (36%)
- Magenta (24%)
- Yellow (80%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 34.9936, 46.6091, 10.2841 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 34.9936, 46.6091, 10.2841 by changing the saturation by 10% instead.


 34.9936, 46.6091,
10.2841


 34.9936, 46.6091,
10.2841


316.0486,
373.2520, 203.2458

 23.8244, 32.7267,
5.4797


 66.8099, 85.1298,
26.9446


 15.3275, 21.9172,
2.4677


 88.1878, 110.5370,
39.6378

 9.1373, 13.7961,
0.8230


 113.6993,
140.5546, 55.7977

 4.8887, 7.9790,
0.0000

 143.7098,
175.5669, 75.8427

 2.2162, 4.0815,
0.0000

 178.5846,
215.9584, 100.1915

 0.7513, 1.7193,
0.0000

 218.6891,

 0.0000, 0.4361,

262.1135, 129.2626

0.0000

264.3887,
314.4166, 163.4745

■ 0.0000, 0.0000,
0.0000

■ 34.9936, 46.6091,
10.2841

■ 34.9936, 46.6091,
10.2841

■ 33.8053, 46.0376,
8.4430

■ 36.3911, 47.2709,
13.0680

■ 32.7989, 45.5404,
7.4159

■ 38.0146, 48.0249,
16.8959

■ 32.2306, 45.2553,
7.0364

■ 39.8827, 48.8800,
21.8593

■ 42.0110, 49.8425,
28.0388

■ 44.4135, 50.9183,
35.5077

■ 47.1035, 52.1124,
44.3336

■ 50.0930, 53.4299,
54.5794

■ 53.3935, 54.8753,
66.3039

■ 57.0159, 56.4530,
79.5627

Harmonies

Analogous

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



46.6060, 46.6091, 8.3586



34.9936, 46.6091, 10.2841



27.3988, 46.6091, 20.3284

Triad

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



34.9936, 46.6091, 10.2841



31.7450, 46.6091, 130.4929



72.9241, 46.6091, 57.5213

Complementary

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



34.9936, 46.6091, 10.2841



14.4028, 8.0577, 51.8379

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.



67.0243, 46.6091, 102.2077



34.9936, 46.6091, 10.2841



42.0724, 46.6091, 155.3082

Square

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



34.9936, 46.6091, 10.2841



25.7862, 46.6091, 85.3055



55.1267, 46.6091, 143.0593



70.0559, 46.6091, 27.0703

Rectangle

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



34.9936, 46.6091, 10.2841



24.8726, 46.6091, 34.5312



55.1267, 46.6091, 143.0593



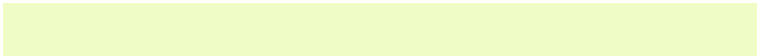
71.8718, 46.6091, 71.3853

Sweetspot

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



34.9947, 46.6112, 10.2851



81.0936, 92.5277, 66.3554



25.8634, 17.7419, 5.1940



17.4794, 20.1381, 13.6380



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.



34.9947, 46.6112, 10.2851



60.1693, 82.8763, 14.0735



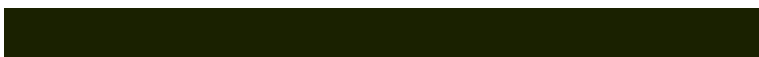
24.2565, 41.0755, 9.7825



10.6928, 11.6446, 10.7459



21.2611, 29.7894, 4.6293



0.9731, 1.3152, 0.2026

Inverse Universe

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



14.4028, 8.0577, 51.8379



21.2937, 9.6396, 93.2081



24.1514, 13.0833, 52.2941



9.7280, 9.8509, 12.6735



7.0896, 2.9153, 33.7457



0.3666, 0.1570, 1.4609

Previews

White Background



This preview shows how the XYZ color 34.9936, 46.6091, 10.2841 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 34.9936, 46.6091, 10.2841 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 34.9936, 46.6091, 10.2841

Background



This preview shows how black text looks on a background with the XYZ color 34.9936, 46.6091, 10.2841.



This preview shows how white text looks on a background with the XYZ color 34.9936, 46.6091,

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

34.9936, 46.6091, 10.2841

Protanopia

42.1633, 46.5067, 9.5507

Deuteranopia

47.2467, 46.1622, 10.6950



Tritanopia

44.7343, 46.4529, 58.2383

Trichromacy



Original Color

34.9936, 46.6091, 10.2841

Protanomaly

39.0995, 46.1584, 9.7544

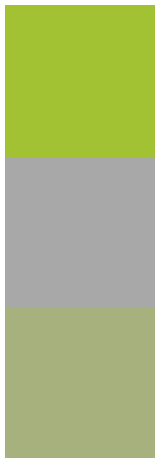
Deuteranomaly

41.9616, 45.7753, 10.4948

Tritanomaly

39.7504, 45.9852, 32.7676

Monochromacy



Original Color

34.9936, 46.6091, 10.2841

Achromatopsia

37.2190, 39.1572, 42.6422

Achromatomaly

35.1497, 41.0319, 25.4694

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.9936, 46.6091, 10.2841 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(163, 194, 51)` looks like.

```
.text, #text, p{  
    color:rgb(163, 194, 51)  
}
```

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(163, 194, 51) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 194, 51) }
```

Border

The CSS property to change the border of an element to XYZ 34.9936, 46.6091, 10.2841 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(163, 194, 51) }
```


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

```
.border{ border-color:rgb(163, 194, 51) }
```

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

Here you see how a box with a 4 pixel rgb(163, 194, 51) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 194, 51); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 194, 51);  
box-shadow:4px 4px 4px 4px rgb(163, 194,  
51) }
```

Background

The CSS property to change the background color of an element to XYZ 34.9936, 46.6091, 10.2841 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 194, 51) }
```

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

```
.background{ background-color: rgb(163,  
194, 51) }
```

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