

Converting Colors

XYZ(13.4229, 25.0956, 4.1365)

Have a look what the booklet for
XYZ(13.4229, 25.0956, 4.1365)
contains.

XYZ(13.3991, 25.0581, 4.1305)	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(13.3991, 25.0581,
4.1305)**

Conversions

Conversions Part 1

Format	Color
Hex	2F9E00
RGB	47, 158, 0
RGB Percent	18%, 62%, 0%
CMY	0.8157, 0.3804, 0.9999
CMYK	0.70, 0.00, 1.00, 0.38
HSL	102°, 100%, 31%
HSV	102°, 100%, 62%
XYZ	13.3991, 25.0581, 4.1305
YIQ	106.7990, -15.4380, -72.6700

Conversions

Conversions Part 2

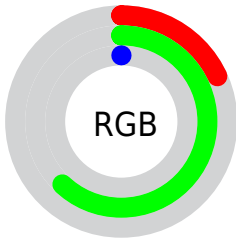
Format	Color
RYB	0, 158, 111
Decimal	3120640
CIELab	57.13, -55.00, 58.89
CIELCh	57, 80.577, 133.044
Yxy	25.0581, 0.3146, 0.5884
Android (android.graphics.Color)	4281310720 (0xFF2F9E00)
YUV	106.7990, -52.6519, -52.4437
Hunter-Lab	50.0581, -39.8223, 30.1484

Details

The XYZ color **13.3991, 25.0581, 4.1305** is a dark color, and the websafe version is hex **339900**. A complement of this color would be **12.7300, 5.8498, 32.8074**, and the grayscale version is **14.0646, 14.7970, 16.1139**.

A 20% lighter version of the original color is **31.7394, 51.9276, 14.3114**, and **5.0516, 10.1032, 1.6839** is the 20% darker color. If you saturate the color by 10%, you get **13.3992, 25.0589, 4.1306**, and if you desaturate by 10%, it is **14.0703, 25.3942, 4.6430**.

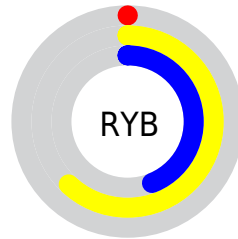
Distribution



Red (18%)

Green (62%)

Blue (0%)



Red (0%)

Yellow (62%)

Blue (44%)

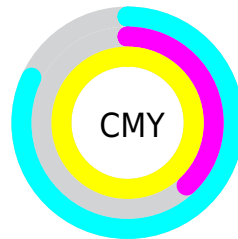


Cyan (70%)

Magenta (0%)

Yellow (100%)

Black (38%)



Cyan (82%)

Magenta (38%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.3991, 25.0581, 4.1305 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 13.3991, 25.0581, 4.1305 by changing the saturation by 10% instead.

■ 13.3991, 25.0581,
4.1305

■ 13.3991, 25.0581,
4.1305

207.0462,
278.1272, 149.6650

■ 7.7828, 16.1203,
1.6972

■ 31.6142, 51.7515,
14.3096

■ 4.0069, 9.6094,
0.3588

■ 44.9437, 70.2759,
22.8925

■ 1.7061, 5.1407,
0.0000

■ 61.5751, 92.7646,
34.3624

■ 0.4601, 2.3301,
0.0000

■ 81.8736, 119.6021,
49.1378


■ 0.0000, 0.7896,
0.0000


■ 106.2046,
151.1727, 67.6372


■ 0.0000, 0.0000,
0.0000


■ 134.9334,


187.8608, 90.2792


 168.4255,
230.0508, 117.4823


 13.3991, 25.0581,
4.1305


 13.3991, 25.0581,
4.1305


 13.3992, 25.0589,
4.1306

 14.0703, 25.3942,
4.6430

 14.9514, 25.8296,
5.5368

 16.0828, 26.3821,
6.9780

 17.4849, 27.0609,
9.0359

 19.1762, 27.8740,
11.7696

■ 21.1730, 28.8288,
15.2312

■ 23.4905, 29.9322,
19.4677

■ 26.1427, 31.1903,
24.5223

■ 29.1429, 32.6092,
30.4348

Harmonies

Analogous

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



19.9280, 25.0581, 1.4671



13.3991, 25.0581, 4.1305



10.2701, 25.0581, 14.6957

Triad

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



13.3991, 25.0581, 4.1305



18.8777, 25.0581, 114.1334



46.4086, 25.0581, 17.0991

Complementary

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



13.3991, 25.0581, 4.1305



12.7300, 5.8498, 32.8074

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.



45.9071, 25.0581, 45.5584



13.3991, 25.0581, 4.1305



28.1816, 25.0581, 116.5495

Square

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



13.3991, 25.0581, 4.1305



12.8072, 25.0581, 80.8247



38.5850, 25.0581, 86.1450



39.8139, 25.0581, 4.8900

Rectangle

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



13.3991, 25.0581, 4.1305



9.8379, 25.0581, 30.1571



38.5850, 25.0581, 86.1450



47.1071, 25.0581, 24.5995

Sweetspot

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



13.3997, 25.0592, 4.1311



42.3897, 54.2273, 34.8533



19.7429, 18.5526, 2.5408



9.1668, 12.0401, 7.1372



76.7382, 80.7346, 87.9200



13.3056, 13.9985, 15.2444

Same Dimension

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



13.3997, 25.0592, 4.1311



24.1547, 45.4135, 7.4926



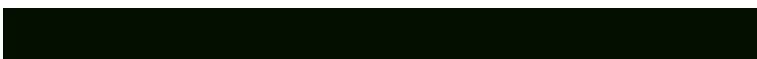
12.4831, 24.5571, 5.4211



6.7270, 7.4919, 7.0772



10.7665, 20.0871, 3.3097



0.2320, 0.3795, 0.0610

Inverse Universe

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



12.7300, 5.8498, 32.8074



22.9066, 10.5141, 59.5656



17.8935, 8.7866, 20.6290



6.7119, 6.6555, 8.3376



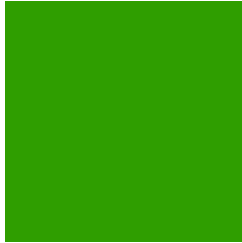
10.2352, 4.7055, 26.2760



0.2231, 0.1048, 0.4717

Previews

White Background



This preview shows how the XYZ color 13.3991, 25.0581, 4.1305 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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 × Fail

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

XYZ 13.3991, 25.0581, 4.1305

Background



This preview shows how black text looks on a background with the XYZ color 13.3991, 25.0581, 4.1305.



This preview shows how white text looks on a background with the XYZ color 13.3991, 25.0581,

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

13.3991, 25.0581, 4.1305

Protanopia

22.2721, 24.7613, 3.6056

Deuteranopia

24.9336, 24.4739, 4.9232



Tritanopia

19.9162, 25.0329, 36.5830

Trichromacy



Original Color

13.3991, 25.0581, 4.1305

Protanomaly

17.1956, 23.8956, 3.7060

Deuteranomaly

18.1271, 23.2497, 4.2913

Tritanomaly

15.7303, 24.2661, 16.1667

Monochromacy



Original Color

13.3991, 25.0581, 4.1305

Achromatopsia

13.9749, 14.7027, 16.0113

Achromatomaly

12.2506, 17.2704, 8.1567

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.3991, 25.0581, 4.1305 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(47, 158, 0)` looks like.

```
.text, #text, p{  
    color:rgb(47, 158, 0)  
}
```

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(47, 158, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(47, 158, 0) }
```

Border

The CSS property to change the border of an element to XYZ 13.3991, 25.0581, 4.1305 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(47, 158, 0) }
```


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

```
.border{ border-color:rgb(47, 158, 0) }
```

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

Here you see how a box with a 4 pixel rgb(47, 158, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(47, 158, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(47, 158, 0);  
box-shadow:4px 4px 4px 4px rgb(47, 158, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 13.3991, 25.0581, 4.1305 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(47, 158, 0) }
```

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

```
.background{ background-color: rgb(47, 158,  
0) }
```

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