

Converting Colors

XYZ(25.3585, 13.7506, 1.3176)

Have a look what the booklet for
XYZ(25.3585, 13.7506, 1.3176)
contains.

XYZ(25.3661, 13.7659, 1.3201)	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(25.3661, 13.7659,
1.3201)**

Conversions

Conversions Part 1

Format	Color
Hex	CC1E00
RGB	204, 30, 0
RGB Percent	80%, 12%, 0%
CMY	0.2000, 0.8823, 1.0000
CMYK	0.00, 0.85, 1.00, 0.20
HSL	9°, 100%, 40%
HSV	9°, 100%, 80%
XYZ	25.3661, 13.7659, 1.3201
YIQ	78.6060, 113.3340, 27.5580

Conversions

Conversions Part 2

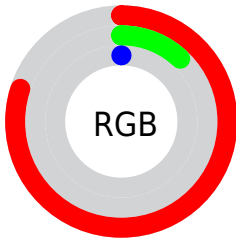
Format	Color
R_{YB}	204, 35, 0
Decimal	13377024
CIE _{Lab}	43.90, 63.75, 57.32
CIE _{LCh}	44, 85.728, 41.963
Yxy	13.7659, 0.6271, 0.3403
Android (android.graphics.Color)	4291567104 (0xFFCC1E00)
YUV	78.6060, -38.7528, 109.9705
Hunter-Lab	37.1024, 57.1072, 23.8622

Details

The XYZ color **25.3661, 13.7659, 1.3201** is a dark color, and the websafe version is hex **CC0000**. The color can be described as dark washed red. A complement of this color would be **26.0312, 34.6241, 62.4374**, and the grayscale version is **7.4147, 7.8008, 8.4951**.

A 20% lighter version of the original color is **45.9981, 29.7108, 6.8004**, and **10.6475, 5.4890, 0.4983** is the 20% darker color. If you saturate the color by 10%, you get **25.3664, 13.7668, 1.3203**, and if you desaturate by 10%, it is **26.0648, 14.9557, 2.1936**.

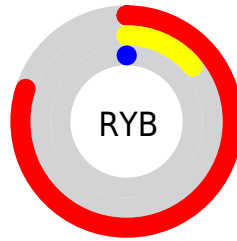
Distribution



Red (80%)

Green (12%)

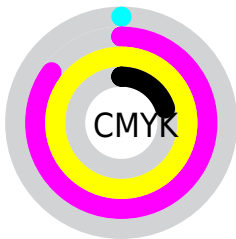
Blue (0%)



Red (80%)

Yellow (14%)

Blue (0%)

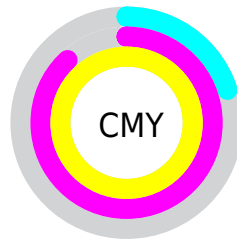


Cyan (0%)

Magenta (85%)

Yellow (100%)

Black (20%)



Cyan (20%)


Magenta (88%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the XYZ color 25.3661, 13.7659, 1.3201 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 25.3661, 13.7659, 1.3201 by changing the saturation by 10% instead.


 25.3661, 13.7659,
1.3201


 25.3661, 13.7659,
1.3201


 271.9704,
215.7696, 110.7195


 16.4802, 7.9580,
0.0782


 51.6892, 32.6731,
7.0811


 9.9576, 4.0681,
0.0000


 69.8570, 46.5412,
12.6810

 5.4329, 1.7117,
0.0000

 91.8496, 63.8648,
20.6518

 2.5408, 0.4312,
0.0000

 118.0322, 85.0283,
31.4122


 0.9159, 0.0000,
0.0000


 148.7702,
110.4162, 45.3806


 0.0000, 0.0000,
0.0000


 184.4291,


140.4127, 62.9756


 225.3740,
175.4024, 84.6157


 25.3661, 13.7659,
1.3201


 25.3661, 13.7659,
1.3201


 25.3664, 13.7668,
1.3203

 26.0648, 14.9557,
2.1936

 27.1781, 16.7554,
3.8812

 28.7827, 19.2431,
6.6404

 30.9294, 22.4803,
10.6120

 33.6622, 26.5213,
15.9152

■ 37.0208, 31.4153,
22.6550

■ 41.0410, 37.2076,
30.9257

■ 45.7562, 43.9404,
40.8138

■ 51.1973, 51.6529,
52.3991

Harmonies

Analogous

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



30.4260, 13.7659, 8.5064



25.3661, 13.7659, 1.3201



17.5491, 13.7659, 0.0000

Triad

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



25.3661, 13.7659, 1.3201



4.1918, 13.7659, 6.1468



15.9760, 13.7659, 89.1930

Complementary

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



25.3661, 13.7659, 1.3201



26.0312, 34.6241, 62.4374

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.



9.4490, 13.7659, 85.8730



25.3661, 13.7659, 1.3201



4.0266, 13.7659, 24.1338

Square

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



25.3661, 13.7659, 1.3201



6.1607, 13.7659, 0.8345



5.5882, 13.7659, 56.3669



23.8776, 13.7659, 63.4055

Rectangle

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



25.3661, 13.7659, 1.3201



12.6427, 13.7659, 0.0000



5.5882, 13.7659, 56.3669



13.5356, 13.7659, 91.8084

Sweetspot

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



25.3664, 13.7668, 1.3203



67.6871, 61.2163, 50.6316



32.8175, 16.0036, 42.8495



13.8537, 12.1914, 9.5261



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.



25.3664, 13.7668, 1.3203



41.9180, 22.6160, 2.1560



32.7782, 28.5904, 3.7909



11.3433, 11.4756, 11.6966



16.0083, 8.7495, 0.8451



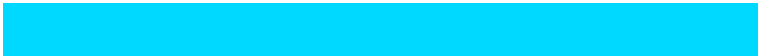
0.8697, 0.5390, 0.0582

Inverse Universe

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



26.0312, 34.6241, 62.4374



42.9858, 57.0915, 103.3619



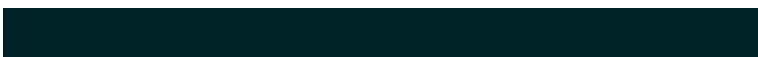
13.4015, 9.3646, 58.2275



11.3971, 12.4347, 14.3698



16.4380, 21.9000, 39.3170



0.8873, 1.2084, 2.0414

Previews

White Background



This preview shows how the XYZ color 25.3661, 13.7659, 1.3201 looks on a white 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

Black Background



This preview shows how the XYZ color 25.3661, 13.7659, 1.3201 looks on a black 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

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

XYZ 25.3661, 13.7659, 1.3201

Background



This preview shows how black text looks on a background with the XYZ color 25.3661, 13.7659, 1.3201.



This preview shows how white text looks on a background with the XYZ color 25.3661, 13.7659,

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

25.3661, 13.7659, 1.3201

Protanopia

12.6983, 14.0249, 2.9575

Deuteranopia

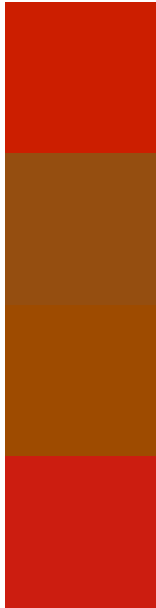
14.0729, 14.0199, 1.9644



Tritanopia

25.5167, 13.7863, 2.2358

Trichromacy



Original Color

25.3661, 13.7659, 1.3201

Protanomaly

15.2123, 11.8758, 1.9807

Deuteranomaly

16.6166, 12.3013, 1.4986

Tritanomaly

25.4347, 13.7535, 1.8043

Monochromacy



Original Color

25.3661, 13.7659, 1.3201

Achromatopsia

7.4317, 7.8187, 8.5146

Achromatomaly

10.5566, 7.8529, 3.9770

CSS Examples

Text

The CSS property to change the color of the text to XYZ 25.3661, 13.7659, 1.3201 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(204, 30, 0)` looks like.

```
.text, #text, p{  
    color:rgb(204, 30, 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(204, 30, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 30, 0) }
```

Border

The CSS property to change the border of an element to XYZ 25.3661, 13.7659, 1.3201 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(204, 30, 0) }
```


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

```
.border{ border-color:rgb(204, 30, 0) }
```

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

Here you see how a box with a 4 pixel rgb(204, 30, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 30, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 30, 0);  
box-shadow:4px 4px 4px 4px rgb(204, 30, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 25.3661, 13.7659, 1.3201 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 30, 0) }
```

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

```
.background{ background-color: rgb(204, 30,  
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