

Converting Colors

XYZ(9.7185, 13.7630, 0.5009)

Have a look what the booklet for
XYZ(9.7185, 13.7630, 0.5009)
contains.

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Color

**XYZ(10.0250, 13.9341,
2.1612)**

Conversions

Conversions Part 1

Format	Color
Hex	597100
RGB	89, 113, 0
RGB Percent	35%, 44%, 0%
CMY	0.6510, 0.5569, 1.0000
CMYK	0.21, 0.00, 1.00, 0.56
HSL	73°, 100%, 22%
HSV	73°, 100%, 44%
XYZ	10.0250, 13.9341, 2.1612
YIQ	92.9420, 21.9690, -40.2310

Conversions

Conversions Part 2

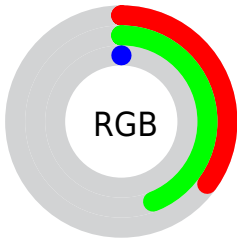
Format	Color
RYB	0, 113, 24
Decimal	5861632
CIELab	44.14, -22.98, 49.54
CIELCh	44, 54.605, 114.885
Yxy	13.9341, 0.3838, 0.5335
Android (android.graphics.Color)	4284051712 (0xFF597100)
YUV	92.9420, -45.8204, -3.4571
Hunter-Lab	37.3284, -17.3864, 22.6972

Details

The XYZ color **10.0250, 13.9341, 2.1612** is a dark color, and the websafe version is hex **666600**. A complement of this color would be **3.3578, 1.3868, 15.7143**, and the grayscale version is **10.4915, 11.0378, 12.0202**.

A 20% lighter version of the original color is **25.4528, 32.9980, 9.4426**, and **2.6896, 4.1927, 0.6675** is the 20% darker color. If you saturate the color by 10%, you get **10.0251, 13.9346, 2.1613**, and if you desaturate by 10%, it is **10.3216, 14.0803, 2.4998**.

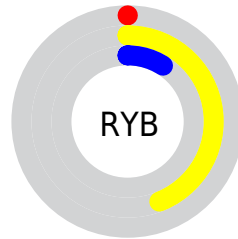
Distribution



Red (35%)

Green (44%)

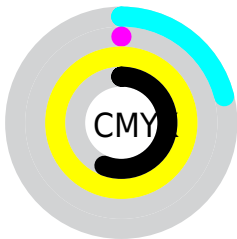
Blue (0%)



Red (0%)

Yellow (44%)

Blue (9%)

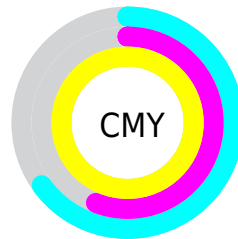


Cyan (21%)

Magenta (0%)

Yellow (100%)

Black (56%)



Cyan (65%)

Magenta (56%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 10.0250, 13.9341, 2.1612 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 10.0250, 13.9341, 2.1612 by changing the saturation by 10% instead.

■ 10.0250, 13.9341,
2.1612

■ 10.0250, 13.9341,
2.1612

184.9003,
216.8205, 124.8317

■ 5.4779, 8.0748,
0.6518

■ 25.4918, 32.9721,
9.4770

■ 2.5679, 4.1429,
0.0000

■ 37.1422, 46.9195,
16.1531

■ 0.9296, 1.7538,
0.0000

■ 51.8911, 64.3319,
25.3993

■ 0.0000, 0.4581,
0.0000

■ 70.1038, 85.5935,
37.6342


■ 0.0000, 0.0000,
0.0000


■ 92.1457, 111.0888,
53.2764


■ 118.3822,


141.2021, 72.7443


 149.1786,
176.3179, 96.4566


 10.0250, 13.9341,
2.1612


 10.0250, 13.9341,
2.1612


 10.0251, 13.9346,
2.1613

 10.3216, 14.0803,
2.4998

 10.6519, 14.2403,
2.9774

 11.0379, 14.4236,
3.7087

 11.4853, 14.6322,
4.7227

 11.9988, 14.8682,
6.0444

■ 12.5828, 15.1333,
7.6962

■ 13.2412, 15.4291,
9.6982

■ 13.9775, 15.7569,
12.0692

■ 14.7951, 16.1183,
14.8264

Harmonies

Analogous

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



14.0043, 13.9341, 1.6307



10.0250, 13.9341, 2.1612



7.5095, 13.9341, 5.1388

Triad

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



10.0250, 13.9341, 2.1612



8.9893, 13.9341, 44.4389



23.4517, 13.9341, 17.4110

Complementary

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



10.0250, 13.9341, 2.1612



3.3578, 1.3868, 15.7143

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.



21.3378, 13.9341, 33.5588



10.0250, 13.9341, 2.1612



12.5116, 13.9341, 53.7594

Square

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



10.0250, 13.9341, 2.1612



7.0098, 13.9341, 27.6587



17.0873, 13.9341, 48.9592



22.3799, 13.9341, 7.1555

Rectangle

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



10.0250, 13.9341, 2.1612



6.6957, 13.9341, 9.7404



17.0873, 13.9341, 48.9592



23.0787, 13.9341, 22.3201

Sweetspot

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



10.0253, 13.9347, 2.1615



23.6091, 27.5823, 17.0515



7.1091, 4.1082, 0.4185



5.3697, 6.3384, 3.6646



55.7959, 58.7016, 63.9261



6.5000, 6.8385, 7.4471

Same Dimension

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



10.0253, 13.9347, 2.1615



17.8411, 24.8947, 3.8648



6.5621, 12.1494, 1.9994



3.5759, 3.8822, 3.6342



11.3548, 15.7973, 2.4507



55.8240, 78.3124, 12.1736

Inverse Universe

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



3.3578, 1.3868, 15.7143



5.9151, 2.4328, 28.1333



6.2140, 2.8592, 15.8479



3.2778, 3.3315, 4.2245



3.7934, 1.5650, 17.8237



18.2868, 7.4816, 88.7594

Previews

White Background



This preview shows how the XYZ color 10.0250, 13.9341, 2.1612 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 10.0250, 13.9341, 2.1612 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

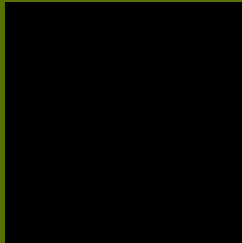
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 10.0250, 13.9341, 2.1612

Background



This preview shows how black text looks on a background with the XYZ color 10.0250, 13.9341, 2.1612.



This preview shows how white text looks on a background with the XYZ color 10.0250, 13.9341,

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

10.0250, 13.9341, 2.1612

Protanopia

12.5228, 13.9547, 2.0335

Deuteranopia

13.9482, 13.7995, 2.5902



Tritanopia

13.1778, 13.9481, 17.6205

Trichromacy



Original Color

10.0250, 13.9341, 2.1612

Protanomaly

11.4260, 13.8509, 2.0713

Deuteranomaly

12.2254, 13.6427, 2.3697

Tritanomaly

11.2516, 13.6259, 8.1679

Monochromacy



Original Color

10.0250, 13.9341, 2.1612

Achromatopsia

10.4043, 10.9462, 11.9204

Achromatomaly

9.7602, 11.7054, 5.8826

CSS Examples

Text

The CSS property to change the color of the text to XYZ 10.0250, 13.9341, 2.1612 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(89, 113, 0)` looks like.

```
.text, #text, p{  
    color:rgb(89, 113, 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(89, 113, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(89, 113, 0) }
```

Border

The CSS property to change the border of an element to XYZ 10.0250, 13.9341, 2.1612 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(89, 113, 0) }
```


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

```
.border{ border-color:rgb(89, 113, 0) }
```

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

Here you see how a box with a 4 pixel rgb(89, 113, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(89, 113, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(89, 113, 0);  
box-shadow:4px 4px 4px 4px rgb(89, 113, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 10.0250, 13.9341, 2.1612 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(89, 113, 0) }
```

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

```
.background{ background-color: rgb(89, 113,  
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](#).

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