

Converting Colors

XYZ(14.6781, 28.8708, 6.3891)

Have a look what the booklet for
XYZ(14.6781, 28.8708, 6.3891)
contains.

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Color

**XYZ(14.6781, 28.8708,
6.3891)**

Conversions

Conversions Part 1

Format	Color
Hex	00AA23
RGB	0, 170, 35
RGB Percent	0%, 67%, 14%
CMY	1.0000, 0.3333, 0.8627
CMYK	1.00, 0.00, 0.79, 0.33
HSL	132°, 100%, 33%
HSV	132°, 100%, 67%
XYZ	14.6781, 28.8708, 6.3891
YIQ	103.7800, -57.9850, -78.0250

Conversions

Conversions Part 2

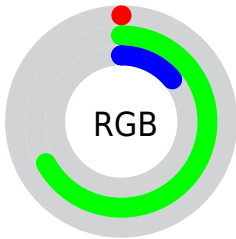
Format	Color
R_{YB}	0, 141, 170
Decimal	43555
CIE _{Lab}	60.67, -62.21, 54.47
CIE _{LCh}	61, 82.683, 138.796
Yxy	28.8708, 0.2939, 0.5781
Android (android.graphics.Color)	4278233635 (0xFF00AA23)
YUV	103.7800, -33.9085, -91.0151
Hunter-Lab	53.7316, -45.2685, 30.5620

Details

The XYZ color **14.6781, 28.8708, 6.3891** is a dark color, and the websafe version is hex **009900**. A complement of this color would be **20.9514, 10.2957, 23.8043**, and the grayscale version is **13.1989, 13.8863, 15.1221**.

A 20% lighter version of the original color is **33.9735, 58.0732, 19.3162**, and **6.2454, 12.4908, 2.0818** is the 20% darker color. If you saturate the color by 10%, you get **14.6787, 28.8720, 6.3896**, and if you desaturate by 10%, it is **15.1505, 29.0874, 7.6672**.

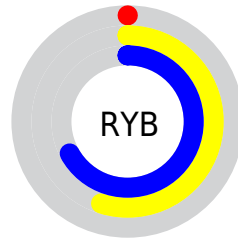
Distribution



Red (0%)

Green (67%)

Blue (14%)



Red (0%)

Yellow (55%)

Blue (67%)

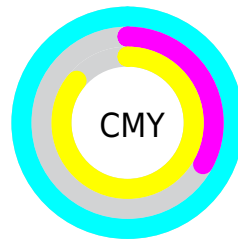


Cyan (100%)

Magenta (0%)

Yellow (79%)

Black (33%)



Cyan (100%)


Magenta (33%)


Yellow (86%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 14.6781, 28.8708, 6.3891 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 14.6781, 28.8708, 6.3891 by changing the saturation by 10% instead.


 14.6781, 28.8708,
6.3891


 14.6781, 28.8708,
6.3891


214.8367,
296.6049, 171.9200


 8.6786, 18.9831,
3.0105


 33.8638, 57.8717,
19.2248


 4.5876, 11.6581,
1.1000


 47.7807, 77.7538,
29.5189


 2.0396, 6.5113,
0.0000


 65.0675, 101.7361,
42.9553

 0.6561, 3.1584,
0.0000

 86.0895, 130.2030,
59.9525

 0.0000, 1.2150,
0.0000

 111.2120,
163.5389, 80.9290

 0.0000, 0.0739,
0.0000

 140.8005,

 0.0000, 0.0000,

202.1283, 106.3034

0.0000

175.2203,
246.3555, 136.4942

■ 14.6781, 28.8708,
6.3891

■ 14.6781, 28.8708,
6.3891

■ 14.6787, 28.8720,
6.3896

■ 15.1505, 29.0874,
7.6672

■ 15.9047, 29.4386,
9.4022

■ 17.0280, 29.9694,
11.6349

■ 18.5628, 30.7010,
14.3999

■ 20.5453, 31.6514,
17.7286

■ 23.0079, 32.8367,
21.6500

■ 25.9797, 34.2712,
26.1910

■ 29.4876, 35.9685,
31.3769

■ 33.5566, 37.9408,
37.2316

Harmonies

Analogous

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



21.3249, 28.8708, 2.1326



14.6781, 28.8708, 6.3891



11.7892, 28.8708, 21.3102

Triad

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



14.6781, 28.8708, 6.3891



23.6301, 28.8708, 132.0684



51.9231, 28.8708, 16.0021

Complementary

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



14.6781, 28.8708, 6.3891



20.9514, 10.2957, 23.8043

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.



53.0105, 28.8708, 44.3466



14.6781, 28.8708, 6.3891



34.6267, 28.8708, 126.8744

Square

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



14.6781, 28.8708, 6.3891



15.9859, 28.8708, 99.9809



46.0380, 28.8708, 88.5053



43.3684, 28.8708, 4.6637

Rectangle

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



14.6781, 28.8708, 6.3891



11.7039, 28.8708, 41.3463



46.0380, 28.8708, 88.5053



53.2440, 28.8708, 23.2501

Sweetspot

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



14.6788, 28.8720, 6.3898



46.8170, 62.0252, 47.0401



24.5291, 33.9851, 5.2670



9.9270, 13.5839, 9.7124



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123

Same Dimension

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



14.6788, 28.8720, 6.3898



26.5683, 52.3576, 11.2575



17.7053, 30.0826, 22.3270



7.4976, 8.4321, 8.3405



10.8144, 21.2445, 4.7895



0.2803, 0.5237, 0.2069

Inverse Universe

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



20.9514, 10.2957, 23.8043



37.9316, 18.6472, 42.7627



17.1758, 8.7855, 3.9227



7.7747, 7.6398, 9.1310



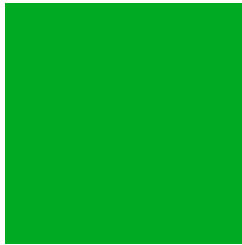
15.4319, 7.5815, 17.6177



0.3917, 0.1910, 0.5143

Previews

White Background



This preview shows how the XYZ color 14.6781, 28.8708, 6.3891 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



This preview shows how the XYZ color 14.6781, 28.8708, 6.3891 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 × Fail

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

XYZ 14.6781, 28.8708, 6.3891

Background



This preview shows how black text looks on a background with the XYZ color 14.6781, 28.8708, 6.3891.



This preview shows how white text looks on a background with the XYZ color 14.6781, 28.8708,

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

14.6781, 28.8708, 6.3891

Protanopia

25.8105, 28.5390, 5.3106

Deuteranopia

28.9556, 28.3523, 6.9640



Tritanopia

22.1033, 28.6961, 42.9020

Trichromacy



Original Color

14.6781, 28.8708, 6.3891



Protanomaly

17.6776, 26.4847, 5.4767



Deuteranomaly

18.5825, 25.7152, 6.4667



Tritanomaly

17.5154, 27.8037, 22.8558

Monochromacy



Original Color

14.6781, 28.8708, 6.3891



Achromatopsia

13.1579, 13.8432, 15.0752



Achromatomaly

11.3772, 17.1611, 10.1099

CSS Examples

Text

The CSS property to change the color of the text to XYZ 14.6781, 28.8708, 6.3891 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(0, 170, 35)` looks like.

```
.text, #text, p{  
    color:rgb(0, 170, 35)  
}
```

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(0, 170, 35) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 170, 35) }
```

Border

The CSS property to change the border of an element to XYZ 14.6781, 28.8708, 6.3891 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(0, 170, 35) }
```


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

```
.border{ border-color:rgb(0, 170, 35) }
```

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

Here you see how a box with a 4 pixel rgb(0, 170, 35) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 170, 35); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 170, 35);  
box-shadow:4px 4px 4px 4px rgb(0, 170, 35)  
}
```

Background

The CSS property to change the background color of an element to XYZ 14.6781, 28.8708, 6.3891 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 170, 35) }
```

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

```
.background{ background-color: rgb(0, 170,  
35) }
```

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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