

Converting Colors

XYZ(28.9609, 55.9322, 14.0934)

Have a look what the booklet for
XYZ(28.9609, 55.9322, 14.0934)
contains.

XYZ(29.0222, 56.0391, 14.1375)	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(29.0222, 56.0391,
14.1375)**

Conversions

Conversions Part 1

Format	Color
Hex	17E440
RGB	23, 228, 64
RGB Percent	9%, 89%, 25%
CMY	0.9098, 0.1059, 0.7490
CMYK	0.90, 0.00, 0.72, 0.11
HSL	132°, 82%, 49%
HSV	132°, 90%, 89%
XYZ	29.0222, 56.0391, 14.1375
YIQ	148.0090, -69.5360, -94.4640

Conversions

Conversions Part 2

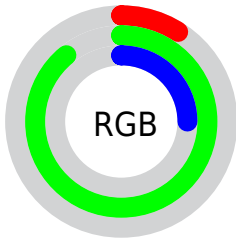
Format	Color
RYB	23, 194, 228
Decimal	1565760
CIELab	79.64, -75.53, 63.62
CIELCh	80, 98.752, 139.895
Yxy	56.0391, 0.2926, 0.5649
Android (android.graphics.Color)	4279755840 (0xFF17E440)
YUV	148.0090, -41.4164, -109.6329
Hunter-Lab	74.8593, -61.8010, 41.2043

Details

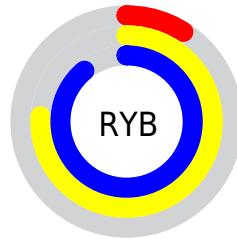
The XYZ color **29.0222, 56.0391, 14.1375** is a dark color, and the websafe version is hex **00CC33**. The color can be described as dark washed green. A complement of this color would be **41.2726, 20.6956, 48.8346**, and the grayscale version is **28.3420, 29.8180, 32.4718**.

A 20% lighter version of the original color is **46.2814, 76.5453, 30.4246**, and **14.5629, 29.1258, 4.8543** is the 20% darker color. If you saturate the color by 10%, you get **28.2356, 55.6857, 11.8209**, and if you desaturate by 10%, it is **30.3948, 56.6782, 17.3699**.

Distribution



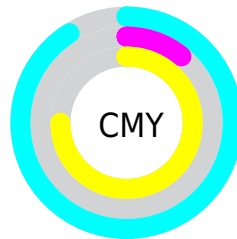
- Red (9%)
- Green (89%)
- Blue (25%)



- Red (9%)
- Yellow (76%)
- Blue (89%)



- Cyan (90%)
- Magenta (0%)
- Yellow (72%)
- Black (11%)



- Cyan (91%)
- Magenta (11%)
- Yellow (75%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.0222, 56.0391, 14.1375 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 29.0222, 56.0391, 14.1375 by changing the saturation by 10% instead.

■ 29.0222, 56.0391,
14.1375

■ 29.0222, 56.0391,
14.1375

289.3120,
409.8388, 229.5427

■ 19.2420, 40.2343,
8.0765

■ 57.5097, 99.0617,
34.0534

■ 11.9503, 27.7213,
4.0555

■ 76.9476, 127.0483,
48.7455

■ 6.7818, 18.1156,
1.6558

■ 100.3356,
159.8643, 67.1516

■ 3.3711, 11.0330,
0.3302

■ 128.0388,
197.8941, 89.6904

■ 1.3529, 6.0891,
0.0000

■ 160.4227,
241.5220, 116.7803

■ 0.2223, 2.8993,
0.0000

197.8526,

■ 0.0000, 1.0794,

291.1325, 148.8400

0.0000

240.6939,
347.1100, 186.2879

■ 0.0000, 0.0000,
0.0000

■ 29.0222, 56.0391,
14.1375

■ 29.0222, 56.0391,
14.1375

■ 28.2356, 55.6857,
11.8209

■ 30.3948, 56.6782,
17.3699

■ 28.2298, 55.6831,
11.8039

■ 32.4947, 57.6693,
21.5990

■ 35.4124, 59.0591,
26.8999

■ 39.2238, 60.8854,
33.3391

■ 43.9959, 63.1814,
40.9779

■ 49.7893, 65.9772,
49.8730

■ 56.6595, 69.3001,
60.0776

■ 64.6578, 73.1757,
71.6418

■ 73.8324, 77.6278,
84.6130

Harmonies

Analogous

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



41.2704, 56.0391, 5.0868



29.0222, 56.0391, 14.1375



23.7673, 56.0391, 43.7325

Triad

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



29.0222, 56.0391, 14.1375



46.8255, 56.0391, 245.0860



97.9750, 56.0391, 30.7976

Complementary

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



29.0222, 56.0391, 14.1375



41.2726, 20.6956, 48.8346

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.



100.5352, 56.0391, 82.3440



29.0222, 56.0391, 14.1375



67.3804, 56.0391, 233.0532

Square

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



29.0222, 56.0391, 14.1375



32.2141, 56.0391, 189.1424



88.2340, 56.0391, 162.3889



81.9238, 56.0391, 9.7112

Rectangle

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



29.0222, 56.0391, 14.1375



23.7530, 56.0391, 81.8609



88.2340, 56.0391, 162.3889



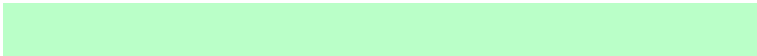
100.5725, 56.0391, 44.0507

Sweetspot

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



29.0235, 56.0414, 14.1388



66.4622, 86.1443, 67.7195



48.3937, 66.1162, 11.0219



13.6158, 18.1437, 13.5777



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.



29.0235, 56.0414, 14.1388



36.3576, 71.7590, 15.0668



35.0272, 58.4429, 45.7538



14.3066, 16.1361, 15.8793



16.3340, 32.1657, 6.9930



1.2397, 2.3900, 0.6889

Inverse Universe

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



41.2726, 20.6956, 48.8346



52.1389, 25.6195, 59.3227



33.9227, 17.7556, 10.1307



14.8651, 14.5632, 17.4899



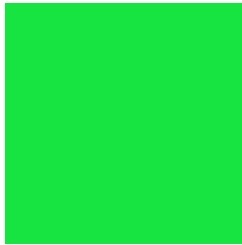
23.4177, 11.5013, 26.8925



1.7620, 0.8625, 2.1531

Previews

White Background



This preview shows how the XYZ color 29.0222, 56.0391, 14.1375 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 29.0222, 56.0391, 14.1375 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 29.0222, 56.0391, 14.1375

Background



This preview shows how black text looks on a background with the XYZ color 29.0222, 56.0391, 14.1375.

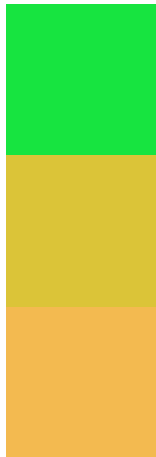


This preview shows how white text looks on a background with the XYZ color 29.0222, 56.0391,

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

29.0222, 56.0391, 14.1375

Protanopia

49.6672, 54.8254, 11.7060

Deuteranopia

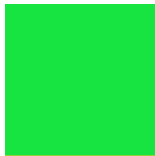
55.9690, 54.7517, 15.2077



Tritanopia

42.7965, 55.7346, 83.3651

Trichromacy



Original Color

29.0222, 56.0391, 14.1375



Protanomaly

35.5580, 51.7234, 12.2472



Deuteranomaly

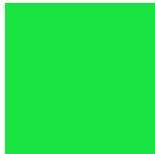
37.2269, 50.0542, 14.1779



Tritanomaly

34.7813, 54.3103, 46.6800

Monochromacy



Original Color

29.0222, 56.0391, 14.1375



Achromatopsia

28.1479, 29.6138, 32.2495



Achromatomaly

24.5265, 35.6122, 22.4108

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.0222, 56.0391, 14.1375 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(23, 228, 64)` looks like.

```
.text, #text, p{  
    color:rgb(23, 228, 64)  
}
```

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(23, 228, 64) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(23, 228, 64) }
```

Border

The CSS property to change the border of an element to XYZ 29.0222, 56.0391, 14.1375 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(23, 228, 64) }
```


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

```
.border{ border-color:rgb(23, 228, 64) }
```

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

Here you see how a box with a 4 pixel `rgb(23, 228, 64)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(23, 228, 64); -webkit-box-  
shadow:4px 4px 4px 4px rgb(23, 228, 64);  
box-shadow:4px 4px 4px 4px rgb(23, 228,  
64) }
```

Background

The CSS property to change the background color of an element to XYZ 29.0222, 56.0391, 14.1375 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(23, 228, 64) }
```

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

```
.background{ background-color: rgb(23, 228,  
64) }
```

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