

Converting Colors

XYZ(28.1683, 53.2120, 14.3825)

Have a look what the booklet for
XYZ(28.1683, 53.2120, 14.3825)
contains.

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Color

**XYZ(28.1503, 53.1645,
14.4083)**

Conversions

Conversions Part 1

Format	Color
Hex	2ADE45
RGB	42, 222, 69
RGB Percent	16%, 87%, 27%
CMY	0.8353, 0.1294, 0.7294
CMYK	0.81, 0.00, 0.69, 0.13
HSL	129°, 73%, 52%
HSV	129°, 81%, 87%
XYZ	28.1503, 53.1645, 14.4083
YIQ	150.7380, -58.1670, -85.7430

Conversions

Conversions Part 2

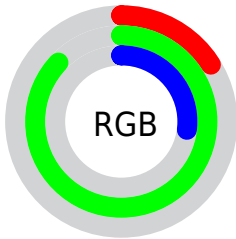
Format	Color
RYB	42, 199, 222
Decimal	2809413
CIELab	77.97, -71.76, 60.10
CIELCh	78, 93.609, 140.054
Yxy	53.1645, 0.2941, 0.5554
Android (android.graphics.Color)	4280999493 (0xFF2ADE45)
YUV	150.7380, -40.2968, -95.3632
Hunter-Lab	72.9140, -58.6850, 39.3237

Details

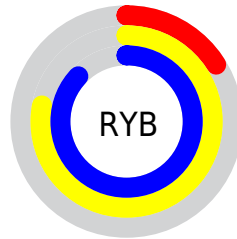
The XYZ color **28.1503, 53.1645, 14.4083** is a dark color, and the websafe version is hex **00CC33**. The color can be described as dark washed green. A complement of this color would be **40.8037, 21.1263, 53.5569**, and the grayscale version is **29.4892, 31.0249, 33.7861**.

A 20% lighter version of the original color is **47.1438, 76.9683, 31.4404**, and **13.4551, 26.9103, 4.4850** is the 20% darker color. If you saturate the color by 10%, you get **26.9854, 52.6228, 11.7679**, and if you desaturate by 10%, it is **30.0061, 54.0440, 18.0554**.

Distribution



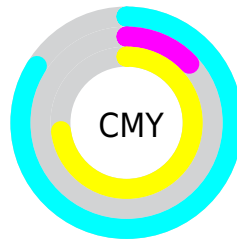
- Red (16%)
- Green (87%)
- Blue (27%)



- Red (16%)
- Yellow (78%)
- Blue (87%)



- Cyan (81%)
- Magenta (0%)
- Yellow (69%)
- Black (13%)



- Cyan (84%)
- Magenta (13%)
- Yellow (73%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 28.1503, 53.1645, 14.4083 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 28.1503, 53.1645, 14.4083 by changing the saturation by 10% instead.

■ 28.1503, 53.1645,
14.4083

■ 28.1503, 53.1645,
14.4083

285.2515,
398.9159, 231.2724

■ 18.5800, 37.9341,
8.2632

■ 56.1313, 94.8464,
34.5393

■ 11.4694, 25.9316,
4.1736

■ 75.2727, 122.0667,
49.3622

■ 6.4531, 16.7724,
1.7211

■ 98.3352, 154.0524,
67.9148

■ 3.1658, 10.0724,
0.3751

■ 125.6841,
191.1879, 90.6157

■ 1.2420, 5.4470,
0.0000

■ 157.6849,
233.8576, 117.8834

■ 0.1392, 2.5118,
0.0000

194.7028,

■ 0.0000, 0.8826,

282.4459, 150.1363

0.0000

237.1032,
337.3372, 187.7932

■ 0.0000, 0.0000,
0.0000

■ 28.1503, 53.1645,
14.4083

■ 28.1503, 53.1645,
14.4083

■ 26.9854, 52.6228,
11.7679

■ 30.0061, 54.0440,
18.0554


■ 26.4012, 52.3562,
10.1756


■ 32.6376, 55.2984,
22.7931


■ 36.1212, 56.9672,
28.7005


■ 40.5230, 59.0827,
35.8485

■ 45.9024, 61.6744,
44.3021

 52.3139, 64.7689,
54.1220

 59.8079, 68.3911,
65.3650

 68.4314, 72.5640,
78.0848

 78.2287, 77.3096,
92.3319

Harmonies

Analogous

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



39.4450, 53.1645, 5.5347



28.1503, 53.1645, 14.4083



23.2828, 53.1645, 42.2287

Triad

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



28.1503, 53.1645, 14.4083



44.7183, 53.1645, 223.6214



91.1026, 53.1645, 29.8484

Complementary

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



28.1503, 53.1645, 14.4083



40.8037, 21.1263, 53.5569

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.



93.4895, 53.1645, 77.0045



28.1503, 53.1645, 14.4083



63.5215, 53.1645, 212.5457

Square

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



28.1503, 53.1645, 14.4083



31.2098, 53.1645, 173.9097



82.4295, 53.1645, 149.1619



76.5284, 53.1645, 10.0068

Rectangle

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



28.1503, 53.1645, 14.4083



23.2896, 53.1645, 77.2285



82.4295, 53.1645, 149.1619



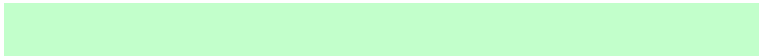
93.4723, 53.1645, 42.0789

Sweetspot

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



28.1516, 53.1667, 14.4095



68.7341, 87.2738, 69.7111



49.0469, 64.0145, 11.9615



14.0365, 18.3542, 13.8866



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.



28.1516, 53.1667, 14.4095



36.3248, 71.7570, 14.3942



33.3355, 55.2403, 41.7077



13.6122, 15.3706, 14.9929



15.7064, 31.1074, 6.1772



1.1153, 2.1668, 0.5682

Inverse Universe

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



40.8037, 21.1263, 53.5569



53.9638, 26.4824, 68.5232



33.5033, 18.2062, 15.1134



14.2020, 13.8984, 16.8339



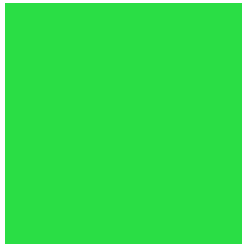
23.3623, 11.4119, 29.6375



1.6437, 0.8007, 2.1824

Previews

White Background



This preview shows how the XYZ color 28.1503, 53.1645, 14.4083 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 28.1503, 53.1645, 14.4083 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

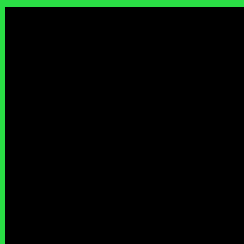
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

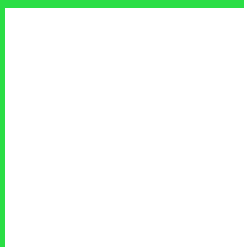
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 28.1503, 53.1645, 14.4083

Background



This preview shows how black text looks on a background with the XYZ color 28.1503, 53.1645, 14.4083.

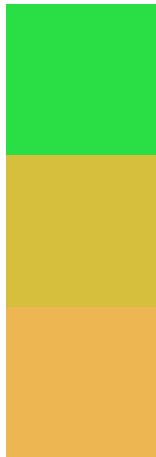


This preview shows how white text looks on a background with the XYZ color 28.1503, 53.1645,

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

28.1503, 53.1645, 14.4083

Protanopia

47.2047, 51.8947, 11.9436

Deuteranopia

53.2143, 52.0850, 15.4323



Tritanopia

40.8044, 52.6041, 78.5240

Trichromacy



Original Color

28.1503, 53.1645, 14.4083



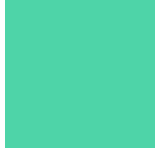
Protanomaly

34.8084, 49.1905, 12.5106



Deuteranomaly

37.0673, 48.5896, 14.6328



Tritanomaly

33.7533, 51.5338, 45.2138

Monochromacy



Original Color

28.1503, 53.1645, 14.4083



Achromatopsia

29.4150, 30.9469, 33.7012



Achromatomaly

25.7289, 36.2043, 23.7212

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.1503, 53.1645, 14.4083 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(42, 222, 69)` looks like.

```
.text, #text, p{  
    color:rgb(42, 222, 69)  
}
```

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(42, 222, 69) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(42, 222, 69) }
```

Border

The CSS property to change the border of an element to XYZ 28.1503, 53.1645, 14.4083 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(42, 222, 69) }
```


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

```
.border{ border-color:rgb(42, 222, 69) }
```

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

Here you see how a box with a 4 pixel rgb(42, 222, 69) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(42, 222, 69); -webkit-box-  
shadow:4px 4px 4px 4px rgb(42, 222, 69);  
box-shadow:4px 4px 4px 4px rgb(42, 222,  
69) }
```

Background

The CSS property to change the background color of an element to XYZ 28.1503, 53.1645, 14.4083 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(42, 222, 69) }
```

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

```
.background{ background-color: rgb(42, 222,  
69) }
```

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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