

Converting Colors

XYZ(17.0722, 30.1046, 14.5084)

Have a look what the booklet for
XYZ(17.0722, 30.1046, 14.5084)
contains.

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Color

**XYZ(17.1713, 30.2573,
14.6081)**

Conversions

Conversions Part 1

Format	Color
Hex	25AB5A
RGB	37, 171, 90
RGB Percent	15%, 67%, 35%
CMY	0.8549, 0.3294, 0.6470
CMYK	0.78, 0.00, 0.47, 0.33
HSL	144°, 64%, 41%
HSV	144°, 78%, 67%
XYZ	17.1713, 30.2573, 14.6081
YIQ	121.7000, -53.8630, -53.5990

Conversions

Conversions Part 2

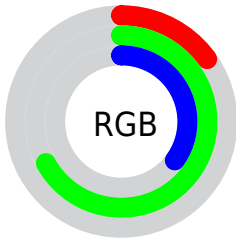
Format	Color
RYB	37, 133, 171
Decimal	2468698
CIELab	61.88, -53.01, 31.88
CIELCh	62, 61.863, 148.978
Yxy	30.2573, 0.2768, 0.4877
Android (android.graphics.Color)	4280658778 (0xFF25AB5A)
YUV	121.7000, -15.6281, -74.2819
Hunter-Lab	55.0066, -40.5397, 22.7590

Details

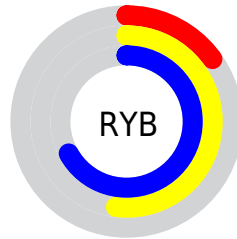
The XYZ color **17.1713, 30.2573, 14.6081** is a dark color, and the websafe version is hex **009933**. A complement of this color would be **20.7270, 11.2896, 18.2271**, and the grayscale version is **18.4634, 19.4249, 21.1537**.

A 20% lighter version of the original color is **37.9857, 59.8043, 34.7406**, and **6.7792, 12.8897, 4.3212** is the 20% darker color. If you saturate the color by 10%, you get **16.2856, 29.8489, 12.4279**, and if you desaturate by 10%, it is **18.4070, 30.8407, 17.1255**.

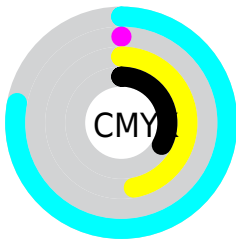
Distribution



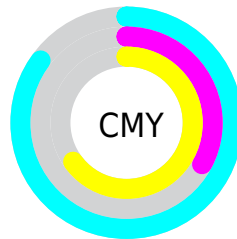
- Red (15%)
- Green (67%)
- Blue (35%)



- Red (15%)
- Yellow (52%)
- Blue (67%)



- Cyan (78%)
- Magenta (0%)
- Yellow (47%)
- Black (33%)



- Cyan (85%)
- Magenta (33%)
- Yellow (65%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 17.1713, 30.2573, 14.6081 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 17.1713, 30.2573, 14.6081 by changing the saturation by 10% instead.

■ 17.1713, 30.2573,
14.6081

■ 17.1713, 30.2573,
14.6081

229.2946,
303.1019, 232.5402

■ 10.4528, 20.0340,
8.4013

■ 38.1613, 60.0688,
34.8967

■ 5.7647, 12.4197,
4.2613

■ 53.1635, 80.4258,
49.8156

■ 2.7418, 7.0302,
1.7698

■ 71.6576, 104.9295,
68.4755

■ 1.0188, 3.4810,
0.4079

■ 94.0091, 133.9643,
91.2950

■ 0.0000, 1.3877,
0.0000

■ 120.5831,
167.9145, 118.6927

■ 0.0000, 0.2076,
0.0000

151.7451,

■ 0.0000, 0.0000,

207.1646, 151.0871

0.0000

187.8605,
252.0989, 188.8968

■ 17.1713, 30.2573,
14.6081

■ 17.1713, 30.2573,
14.6081

■ 16.2856, 29.8489,
12.4279

■ 18.4070, 30.8407,
17.1255

■ 15.6830, 29.5788,
10.5666

■ 20.0283, 31.6148,
19.9922

■ 15.5958, 29.5399,
10.2905

■ 22.0687, 32.5973,
23.2220

■ 24.5571, 33.8029,
26.8274

■ 27.5199, 35.2450,
30.8203

■ 30.9814, 36.9358,
35.2120

■ 34.9640, 38.8868,
40.0134

■ 39.4890, 41.1086,
45.2348

■ 44.5761, 43.6112,
50.8862

Harmonies

Analogous

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



21.7227, 30.2573, 7.0078



17.1713, 30.2573, 14.6081



15.6103, 30.2573, 32.1395

Triad

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



17.1713, 30.2573, 14.6081



28.4760, 30.2573, 102.6703



45.0315, 30.2573, 15.4415

Complementary

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



17.1713, 30.2573, 14.6081



20.7270, 11.2896, 18.2271

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.



47.7659, 30.2573, 33.7640



17.1713, 30.2573, 14.6081



37.1702, 30.2573, 90.9951

Square

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



17.1713, 30.2573, 14.6081



21.3178, 30.2573, 89.4056



44.6501, 30.2573, 62.4272



37.7561, 30.2573, 7.3013

Rectangle

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



17.1713, 30.2573, 14.6081



16.1908, 30.2573, 50.0838



44.6501, 30.2573, 62.4272



46.5674, 30.2573, 20.2441

Sweetspot

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



17.1721, 30.2585, 14.6088



51.6169, 64.2575, 58.2060



22.5928, 33.2276, 6.9732



11.0511, 14.1054, 12.3876



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.



17.1721, 30.2585, 14.6088



28.3538, 53.0916, 19.7697



21.2740, 31.8993, 36.2092



8.0308, 8.9899, 9.1871



11.7809, 22.2776, 7.8859



0.3551, 0.6307, 0.3637

Inverse Universe

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



20.7270, 11.2896, 18.2271



34.9134, 17.6766, 26.1392



18.0911, 10.2352, 4.3464



8.2009, 8.0936, 9.3685



14.5466, 7.2812, 10.5235



0.4306, 0.2129, 0.4294

Previews

White Background



This preview shows how the XYZ color 17.1713, 30.2573, 14.6081 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 17.1713, 30.2573, 14.6081 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 17.1713, 30.2573, 14.6081

Background



This preview shows how black text looks on a background with the XYZ color 17.1713, 30.2573, 14.6081.



This preview shows how white text looks on a background with the XYZ color 17.1713, 30.2573,

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

17.1713, 30.2573, 14.6081

Protanopia

27.2172, 29.5755, 12.2568

Deuteranopia

30.1908, 29.6740, 15.4457



Tritanopia

23.4058, 30.3523, 45.1824

Trichromacy



Original Color

17.1713, 30.2573, 14.6081



Protanomaly

20.8643, 28.2147, 12.9407



Deuteranomaly

22.1640, 28.1026, 14.8459



Tritanomaly

20.3527, 29.8845, 31.0812

Monochromacy



Original Color

17.1713, 30.2573, 14.6081



Achromatopsia

18.4984, 19.4618, 21.1939



Achromatomaly

16.5069, 22.1061, 18.1487

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.1713, 30.2573, 14.6081 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(37, 171, 90)` looks like.

```
.text, #text, p{  
    color:rgb(37, 171, 90)  
}
```

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(37, 171, 90) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(37, 171, 90) }
```

Border

The CSS property to change the border of an element to XYZ 17.1713, 30.2573, 14.6081 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(37, 171, 90) }
```


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

```
.border{ border-color:rgb(37, 171, 90) }
```

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

Here you see how a box with a 4 pixel `rgb(37, 171, 90)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(37, 171, 90); -webkit-box-  
shadow:4px 4px 4px 4px rgb(37, 171, 90);  
box-shadow:4px 4px 4px 4px rgb(37, 171,  
90) }
```

Background

The CSS property to change the background color of an element to XYZ 17.1713, 30.2573, 14.6081 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(37, 171, 90) }
```

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

```
.background{ background-color: rgb(37, 171,  
90) }
```

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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