

Converting Colors

XYZ(26.9803, 34.0253, 68.8985)

Have a look what the booklet for
XYZ(26.9803, 34.0253, 68.8985)
contains.

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Color

**XYZ(27.0314, 34.1514,
68.7855)**

Conversions

Conversions Part 1

Format	Color
Hex	16ABD6
RGB	22, 171, 214
RGB Percent	9%, 67%, 84%
CMY	0.9136, 0.3294, 0.1608
CMYK	0.90, 0.20, 0.00, 0.16
HSL	193°, 81%, 46%
HSV	193°, 90%, 84%
XYZ	27.0314, 34.1514, 68.7855
YIQ	131.3510, -102.6070, -18.2150

Conversions

Conversions Part 2

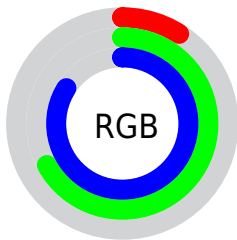
Format	Color
R _{YB}	22, 106, 214
Decimal	1485782
CIE Lab	65.08, -20.68, -31.81
CIE LCh	65, 37.945, 236.970
Yxy	34.1514, 0.2080, 0.2628
Android (android.graphics.Color)	4279675862 (0xFF16ABD6)
YUV	131.3510, 40.7460, -95.9008
Hunter-Lab	58.4392, -19.7024, -28.8795

Details

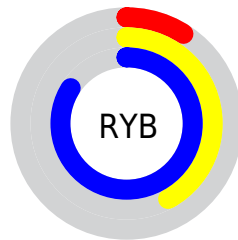
The XYZ color **27.0314, 34.1514, 68.7855** is a dark color, and the websafe version is hex **0099CC**. The color can be described as middle washed azure. A complement of this color would be **29.7690, 18.1384, 2.6927**, and the grayscale version is **21.5876, 22.7118, 24.7332**.

A 20% lighter version of the original color is **51.4307, 64.8009, 104.4049**, and **12.8548, 15.6969, 35.1532** is the 20% darker color. If you saturate the color by 10%, you get **25.8198, 32.2075, 68.4748**, and if you desaturate by 10%, it is **28.6374, 36.3485, 69.1256**.

Distribution



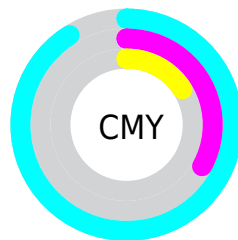
- Red (9%)
- Green (67%)
- Blue (84%)



- Red (9%)
- Yellow (42%)
- Blue (84%)



- Cyan (90%)
- Magenta (20%)
- Yellow (0%)
- Black (16%)



- Cyan (91%)
- Magenta (33%)
- Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 27.0314, 34.1514, 68.7855 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 27.0314, 34.1514, 68.7855 by changing the saturation by 10% instead.

■ 27.0314, 34.1514,
68.7855

■ 27.0314, 34.1514,
68.7855

279.9739,
320.8066, 474.9475

■ 17.7335, 23.0099,
50.0664

■ 54.3538, 66.1690,
119.1400

■ 10.8574, 14.6008,
35.0946

■ 73.1090, 87.8140,
151.6124

■ 6.0376, 8.5397,
23.4516

■ 95.7474, 113.7289,
189.5063

■ 2.9088, 4.4422,
14.7189

■ 122.6342,
144.2982, 233.2403

■ 1.1057, 1.9239,
8.4779

■ 154.1350,
179.9062, 283.2329

■ 0.0299, 0.5627,
4.3101

190.6149,

■ 0.0000, 0.0000,

220.9373, 339.9026

1.7970

232.4394,
267.7760, 403.6679

■ 0.0000, 0.0000,
0.4260

■ 0.0000, 0.0000,
0.0000

■ 27.0314, 34.1514,
68.7855

■ 27.0314, 34.1514,
68.7855

■ 25.8198, 32.2075,
68.4748

■ 28.6374, 36.3485,
69.1256

■ 25.7862, 32.1520,
68.4659

■ 30.7469, 38.8539,
69.4980

■ 33.4258, 41.7025,
69.9067

■ 36.7288, 44.9231,
70.3542

■ 40.7039, 48.5409,
70.8430

■ 45.3942, 52.5786,
71.3752

■ 50.8392, 57.0570,
71.9526

■ 57.0753, 61.9954,
72.5771

■ 64.1367, 67.4117,
73.2504

Harmonies

Analogous

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



23.9196, 34.1514, 52.6773



27.0314, 34.1514, 68.7855



31.9043, 34.1514, 76.3576

Triad

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



27.0314, 34.1514, 68.7855



44.2036, 34.1514, 38.8084



27.8971, 34.1514, 16.2009

Complementary

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



27.0314, 34.1514, 68.7855



29.7690, 18.1384, 2.6927

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.



33.0219, 34.1514, 14.4035



27.0314, 34.1514, 68.7855



42.8237, 34.1514, 25.0738

Square

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



27.0314, 34.1514, 68.7855



42.1551, 34.1514, 56.2514



38.5704, 34.1514, 17.1381



24.3783, 34.1514, 23.0022

Rectangle

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



27.0314, 34.1514, 68.7855



35.6446, 34.1514, 74.3144



38.5704, 34.1514, 17.1381



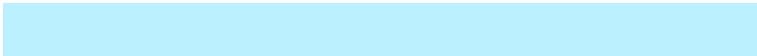
29.4708, 34.1514, 15.0923

Sweetspot

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



27.0326, 34.1526, 68.7864



69.3723, 79.7501, 106.3447



25.2931, 48.6305, 12.8482



14.2870, 16.5993, 22.7009



0.0000, 0.0000, 0.0000



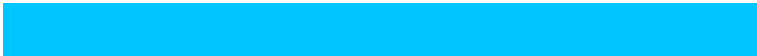
20.3446, 21.4041, 23.3091

Same Dimension

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



27.0326, 34.1526, 68.7864



38.2174, 47.5547, 101.7725



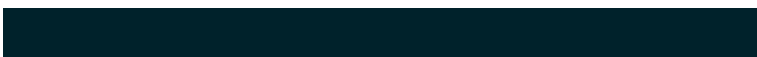
15.0829, 10.2533, 64.8031



12.5453, 13.6140, 15.9041



15.6668, 19.5953, 41.4097



1.0043, 1.3006, 2.5174

Inverse Universe

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



35.3702, 17.8116, 40.1028



51.4196, 25.3318, 55.5348



40.3802, 39.3608, 6.2297



12.8284, 12.5829, 15.0368



20.9667, 10.3230, 22.9265



1.2946, 0.6346, 1.5406

Previews

White Background



This preview shows how the XYZ color 27.0314, 34.1514, 68.7855 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 27.0314, 34.1514, 68.7855 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

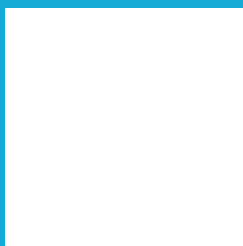
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 27.0314, 34.1514, 68.7855

Background



This preview shows how black text looks on a background with the XYZ color 27.0314, 34.1514, 68.7855.

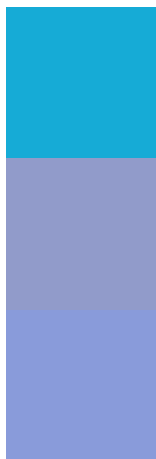


This preview shows how white text looks on a background with the XYZ color 27.0314, 34.1514,

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

27.0314, 34.1514, 68.7855

Protanopia

34.0591, 33.7267, 60.5919

Deuteranopia

34.6928, 33.8230, 71.0297



Tritanopia

24.2132, 33.9029, 52.8447

Trichromacy



Original Color

27.0314, 34.1514, 68.7855



Protanomaly

29.1410, 32.6553, 63.1597



Deuteranomaly

29.9886, 32.9324, 70.4217



Tritanomaly

25.1218, 33.9700, 58.0561

Monochromacy



Original Color

27.0314, 34.1514, 68.7855



Achromatopsia

21.5731, 22.6966, 24.7166



Achromatomaly

21.0263, 25.3551, 37.5040

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.0314, 34.1514, 68.7855 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(22, 171, 214)` looks like.

```
.text, #text, p{  
    color:rgb(22, 171, 214)  
}
```

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(22, 171, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(22, 171, 214) }
```

Border

The CSS property to change the border of an element to XYZ 27.0314, 34.1514, 68.7855 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(22, 171, 214) }
```


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

```
.border{ border-color:rgb(22, 171, 214) }
```

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

Here you see how a box with a 4 pixel rgb(22, 171, 214) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(22, 171, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(22, 171, 214);  
box-shadow:4px 4px 4px 4px rgb(22, 171,  
214) }
```

Background

The CSS property to change the background color of an element to XYZ 27.0314, 34.1514, 68.7855 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(22, 171, 214) }
```

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

```
.background{ background-color: rgb(22, 171,  
214) }
```

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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