

Converting Colors

XYZ(27.1055, 34.0982, 69.1085)

Have a look what the booklet for
XYZ(27.1055, 34.0982, 69.1085)
contains.

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Color

**XYZ(27.2296, 34.2388,
69.4636)**

Conversions

Conversions Part 1

Format	Color
Hex	19ABD7
RGB	25, 171, 215
RGB Percent	10%, 67%, 84%
CMY	0.9019, 0.3294, 0.1569
CMYK	0.88, 0.20, 0.00, 0.16
HSL	194°, 79%, 47%
HSV	194°, 88%, 84%
XYZ	27.2296, 34.2388, 69.4636
YIQ	132.3620, -101.1400, -17.2680

Conversions

Conversions Part 2

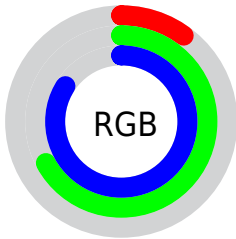
Format	Color
R_{YB}	25, 108, 215
Decimal	1682391
CIE _{Lab}	65.15, -20.18, -32.26
CIE _{LCh}	65, 38.047, 237.970
Yxy	34.2388, 0.2080, 0.2615
Android (android.graphics.Color)	4279872471 (0xFF19ABD7)
YUV	132.3620, 40.7405, -94.1565
Hunter-Lab	58.5139, -19.3340, -29.4251

Details

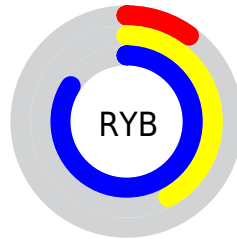
The XYZ color **27.2296, 34.2388, 69.4636** is a dark color, and the websafe version is hex **0099CC**. The color can be described as middle washed azure. A complement of this color would be **30.3302, 18.7771, 2.9471**, and the grayscale version is **21.9498, 23.0929, 25.1482**.

A 20% lighter version of the original color is **51.5530, 64.8639, 104.4106**, and **12.9420, 15.7317, 35.6121** is the 20% darker color. If you saturate the color by 10%, you get **25.9504, 32.2097, 69.1401**, and if you desaturate by 10%, it is **28.9383, 36.5430, 69.8190**.

Distribution



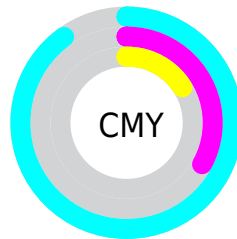
- Red (10%)
- Green (67%)
- Blue (84%)



- Red (10%)
- Yellow (42%)
- Blue (84%)



- Cyan (88%)
- Magenta (20%)
- Yellow (0%)
- Black (16%)



- Cyan (90%)
- Magenta (33%)
- Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 27.2296, 34.2388, 69.4636 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 27.2296, 34.2388, 69.4636 by changing the saturation by 10% instead.

■ 27.2296, 34.2388,
69.4636

■ 27.2296, 34.2388,
69.4636

280.9144,
321.1955, 477.4025

■ 17.8832, 23.0771,
50.6153

■ 54.6694, 66.3049,
120.1174

■ 10.9654, 14.6505,
35.5279

■ 73.4935, 87.9780,
152.7600

■ 6.1107, 8.5744,
23.7830

■ 96.2075, 113.9238,
190.8377

■ 2.9538, 4.4647,
14.9620

■ 123.1769,
144.5265, 234.7691

■ 1.1294, 1.9367,
8.6464

■ 154.7669,
180.1707, 284.9728

■ 0.0495, 0.5703,
4.4176

191.3429,

■ 0.0000, 0.0000,

221.2407, 341.8672

1.8571

233.2703,
268.1208, 405.8709

■ 0.0000, 0.0000,
0.4653

■ 0.0000, 0.0000,
0.0000

■ 27.2296, 34.2388,
69.4636

■ 27.2296, 34.2388,
69.4636

■ 25.9504, 32.2097,
69.1401

■ 28.9383, 36.5430,
69.8190

■ 25.7581, 31.8908,
69.0886

■ 31.1677, 39.1683,
70.2082

■ 33.9830, 42.1493,
70.6352

■ 37.4385, 45.5146,
71.1027

■ 41.5819, 49.2893,
71.6129

■ 46.4563, 53.4963,
72.1680

■ 52.1014, 58.1564,
72.7700

■ 58.5536, 63.2890,
73.4206

■ 65.8471, 68.9121,
74.1215

Harmonies

Analogous

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



24.0363, 34.2388, 53.4405



27.2296, 34.2388, 69.4636



32.1683, 34.2388, 76.6815

Triad

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



27.2296, 34.2388, 69.4636



44.3509, 34.2388, 38.3679



27.8122, 34.2388, 16.3545

Complementary

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



27.2296, 34.2388, 69.4636



30.3302, 18.7771, 2.9471

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.



32.9205, 34.2388, 14.3982



27.2296, 34.2388, 69.4636



42.8516, 34.2388, 24.7583

Square

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



27.2296, 34.2388, 69.4636



42.4013, 34.2388, 55.8479



38.5061, 34.2388, 16.9844



24.3450, 34.2388, 23.3650

Rectangle

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



27.2296, 34.2388, 69.4636



35.9304, 34.2388, 74.3371



38.5061, 34.2388, 16.9844



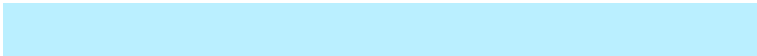
29.3754, 34.2388, 15.1889

Sweetspot

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



27.2308, 34.2400, 69.4645



69.2184, 79.4425, 106.2935



25.6913, 49.2040, 13.3268



14.2503, 16.5260, 22.6887



0.0000, 0.0000, 0.0000



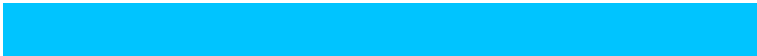
20.3446, 21.4041, 23.3091

Same Dimension

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



27.2308, 34.2400, 69.4645



37.7765, 46.6729, 101.6255



15.4529, 10.6843, 65.5385



12.5370, 13.5975, 15.9013



15.4904, 19.2425, 41.3509



0.9950, 1.2820, 2.5143

Inverse Universe

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



35.7238, 18.0841, 40.1368



51.1970, 25.2428, 54.3629



40.9760, 40.0686, 6.4957



12.8243, 12.5812, 15.0148



20.8777, 10.2874, 22.4577



1.2899, 0.6327, 1.5158

Previews

White Background



This preview shows how the XYZ color 27.2296, 34.2388, 69.4636 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 27.2296, 34.2388, 69.4636 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

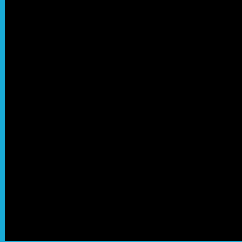
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 27.2296, 34.2388, 69.4636

Background



This preview shows how black text looks on a background with the XYZ color 27.2296, 34.2388, 69.4636.

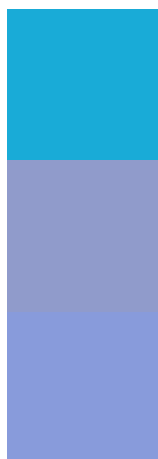


This preview shows how white text looks on a background with the XYZ color 27.2296, 34.2388,

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

27.2296, 34.2388, 69.4636

Protanopia

34.0024, 33.6838, 61.2094

Deuteranopia

34.6609, 33.7914, 71.7134



Tritanopia

24.4071, 34.2908, 52.9093

Trichromacy



Original Color

27.2296, 34.2388, 69.4636



Protanomaly

29.3742, 32.7614, 63.8069



Deuteranomaly

30.2236, 33.0385, 71.1138



Tritanomaly

25.4418, 34.4074, 58.7265

Monochromacy



Original Color

27.2296, 34.2388, 69.4636



Achromatopsia

21.9318, 23.0740, 25.1276



Achromatomaly

21.3147, 25.4936, 37.9798

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.2296, 34.2388, 69.4636 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(25, 171, 215)` looks like.

```
.text, #text, p{  
    color:rgb(25, 171, 215)  
}
```

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(25, 171, 215) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(25, 171, 215) }
```

Border

The CSS property to change the border of an element to XYZ 27.2296, 34.2388, 69.4636 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(25, 171, 215) }
```


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

```
.border{ border-color:rgb(25, 171, 215) }
```

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

Here you see how a box with a 4 pixel rgb(25, 171, 215) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(25, 171, 215); -webkit-box-  
shadow:4px 4px 4px 4px rgb(25, 171, 215);  
box-shadow:4px 4px 4px 4px rgb(25, 171,  
215) }
```

Background

The CSS property to change the background color of an element to XYZ 27.2296, 34.2388, 69.4636 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(25, 171, 215) }
```

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

```
.background{ background-color: rgb(25, 171,  
215) }
```

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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