

Converting Colors

XYZ(29.7090, 34.4012, 85.1950)

Have a look what the booklet for
XYZ(29.7090, 34.4012, 85.1950)
contains.

XYZ(29.6654, 34.3139, 85.1805)	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(29.6654, 34.3139,
85.1805)**

Conversions

Conversions Part 1

Format	Color
Hex	18A8ED
RGB	24, 168, 237
RGB Percent	9%, 66%, 93%
CMY	0.9057, 0.3412, 0.0706
CMYK	0.90, 0.29, 0.00, 0.07
HSL	199°, 86%, 51%
HSV	199°, 90%, 93%
XYZ	29.6654, 34.3139, 85.1805
YIQ	132.8100, -107.9730, -9.0690

Conversions

Conversions Part 2

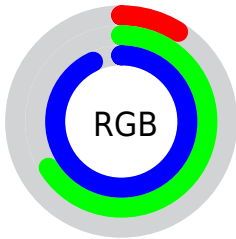
Format	Color
RYB	24, 110, 237
Decimal	1616109
CIELab	65.21, -10.89, -44.27
CIELCh	65, 45.585, 256.185
Yxy	34.3139, 0.1989, 0.2300
Android (android.graphics.Color)	4279806189 (0xFF18A8ED)
YUV	132.8100, 51.3657, -95.4264
Hunter-Lab	58.5781, -12.1147, -45.2111

Details

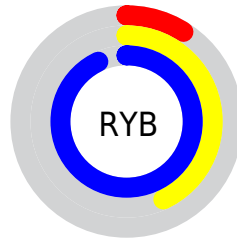
The XYZ color **29.6654, 34.3139, 85.1805** is a dark color, and the websafe version is hex **3399CC**. The color can be described as middle washed azure. A complement of this color would be **39.0079, 25.9053, 3.8103**, and the grayscale version is **22.0768, 23.2265, 25.2937**.

A 20% lighter version of the original color is **51.2477, 63.5061, 104.1646**, and **14.5859, 15.8270, 46.0022** is the 20% darker color. If you saturate the color by 10%, you get **27.9173, 31.3705, 84.7052**, and if you desaturate by 10%, it is **31.9554, 37.6619, 85.7068**.

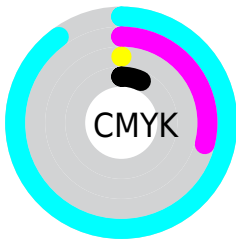
Distribution



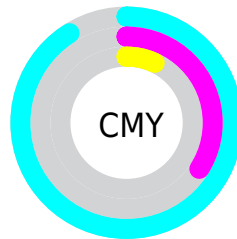
- Red (9%)
- Green (66%)
- Blue (93%)



- Red (9%)
- Yellow (43%)
- Blue (93%)



- Cyan (90%)
- Magenta (29%)
- Yellow (0%)
- Black (7%)



- Cyan (91%)
- Magenta (34%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.6654, 34.3139, 85.1805 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 29.6654, 34.3139, 85.1805 by changing the saturation by 10% instead.

■ 29.6654, 34.3139,
85.1805

■ 29.6654, 34.3139,
85.1805

292.2796,
321.5295, 532.3853

■ 19.7316, 23.1348,
63.4395

■ 58.5229, 66.4215,
142.5017

■ 12.3072, 14.6931,
45.7536

■ 78.1773, 88.1189,
178.9191

■ 7.0269, 8.6043,
31.7042

■ 101.8025,
114.0911, 221.0656

■ 3.5254, 4.4840,
20.8727

■ 129.7640,
144.7226, 269.3599

■ 1.4373, 1.9478,
12.8406

■ 162.4271,
180.3978, 324.2205

■ 0.2826, 0.5769,
7.1895

200.1572,

■ 0.0000, 0.0000,

221.5011, 386.0659

3.5006

243.3195,
268.4169, 455.3146

■ 0.0000, 0.0000,
1.3556

■ 0.0000, 0.0000,
0.1067

■ 29.6654, 34.3139,
85.1805

■ 29.6654, 34.3139,
85.1805

■ 27.9173, 31.3705,
84.7052

■ 31.9554, 37.6619,
85.7068

■ 27.8943, 31.3307,
84.6988

■ 34.9243, 41.4858,
86.2884

■ 38.6585, 45.8326,
86.9306

■ 43.2294, 50.7411,
87.6371

■ 48.7000, 56.2456,
88.4112

■ 55.1265, 62.3772,
89.2560

■ 62.5606, 69.1641,
90.1742

■ 71.0499, 76.6330,
91.1684

■ 80.6390, 84.8083,
92.2410

Harmonies

Analogous

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



24.5643, 34.3139, 70.3630



29.6654, 34.3139, 85.1805



36.2964, 34.3139, 84.5057

Triad

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



29.6654, 34.3139, 85.1805



46.4451, 34.3139, 28.0857



24.2572, 34.3139, 17.3647

Complementary

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



29.6654, 34.3139, 85.1805



39.0079, 25.9053, 3.8103

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.



29.1901, 34.3139, 12.1324



29.6654, 34.3139, 85.1805



42.2550, 34.3139, 16.7322

Square

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



29.6654, 34.3139, 85.1805



46.6179, 34.3139, 46.7706



35.7525, 34.3139, 11.9488



21.7401, 34.3139, 29.3082

Rectangle

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



29.6654, 34.3139, 85.1805



40.7300, 34.3139, 75.2314



35.7525, 34.3139, 11.9488



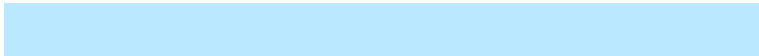
25.6553, 34.3139, 14.9708

Sweetspot

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



29.6667, 34.3150, 85.1814



67.3883, 75.7822, 105.6834



32.5708, 61.5271, 20.1642



13.8151, 15.6554, 22.5436



0.0000, 0.0000, 0.0000



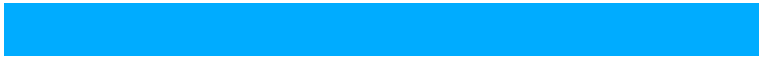
20.3446, 21.4041, 23.3091

Same Dimension

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



29.6667, 34.3150, 85.1814



32.8754, 36.8709, 99.9918



17.4455, 9.8727, 81.1077



15.0825, 16.2514, 19.2641



15.3533, 17.3537, 46.2834



1.2923, 1.5360, 3.6633

Inverse Universe

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



42.3208, 21.4866, 38.9635



48.7232, 24.2533, 41.3360



55.2749, 58.4393, 9.2326



15.4952, 15.2259, 17.8929



22.6050, 11.2447, 19.5189



1.8188, 0.9005, 1.7631

Previews

White Background



This preview shows how the XYZ color 29.6654, 34.3139, 85.1805 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 29.6654, 34.3139, 85.1805 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

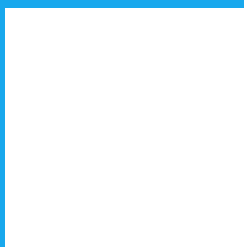
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 29.6654, 34.3139, 85.1805

Background



This preview shows how black text looks on a background with the XYZ color 29.6654, 34.3139, 85.1805.

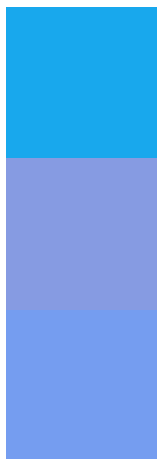


This preview shows how white text looks on a background with the XYZ color 29.6654, 34.3139,

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

29.6654, 34.3139, 85.1805

Protanopia

35.2803, 34.0020, 76.6551

Deuteranopia

35.1213, 34.1871, 87.1858



Tritanopia

24.4071, 34.2908, 52.9093

Trichromacy



Original Color

29.6654, 34.3139, 85.1805



Protanomaly

31.4698, 33.2345, 79.6192



Deuteranomaly

31.8921, 33.5607, 86.4583



Tritanomaly

26.0058, 34.0194, 63.5883

Monochromacy



Original Color

29.6654, 34.3139, 85.1805



Achromatopsia

22.2940, 23.4551, 25.5426



Achromatomaly

22.1438, 25.8252, 42.3457

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.6654, 34.3139, 85.1805 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(24, 168, 237)` looks like.

```
.text, #text, p{  
  color:rgb(24, 168, 237)  
}
```

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(24, 168, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(24, 168, 237) }
```

Border

The CSS property to change the border of an element to XYZ 29.6654, 34.3139, 85.1805 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(24, 168, 237) }
```


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

```
.border{ border-color:rgb(24, 168, 237) }
```

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

Here you see how a box with a 4 pixel `rgb(24, 168, 237)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(24, 168, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(24, 168, 237);  
box-shadow:4px 4px 4px 4px rgb(24, 168,  
237) }
```

Background

The CSS property to change the background color of an element to XYZ 29.6654, 34.3139, 85.1805 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(24, 168, 237) }
```

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

```
.background{ background-color: rgb(24, 168,  
237) }
```

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