

Converting Colors

XYZ(28.1145, 31.6842, 83.6971)

Have a look what the booklet for
XYZ(28.1145, 31.6842, 83.6971)
contains.

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Color

**XYZ(28.1537, 31.6843,
83.9887)**

Conversions

Conversions Part 1

Format	Color
Hex	13A1EC
RGB	19, 161, 236
RGB Percent	7%, 63%, 93%
CMY	0.9253, 0.3686, 0.0745
CMYK	0.92, 0.32, 0.00, 0.07
HSL	201°, 85%, 50%
HSV	201°, 92%, 93%
XYZ	28.1537, 31.6843, 83.9887
YIQ	127.0920, -108.7070, -6.7790

Conversions

Conversions Part 2

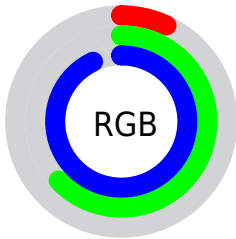
Format	Color
R _Y B	19, 105, 236
Decimal	1286636
CIE Lab	63.08, -7.57, -47.07
CIE LCh	63, 47.679, 260.869
Yxy	31.6843, 0.1957, 0.2203
Android (android.graphics.Color)	4279476716 (0xFF13A1EC)
YUV	127.0920, 53.6916, -94.7967
Hunter-Lab	56.2888, -9.2259, -49.0646

Details

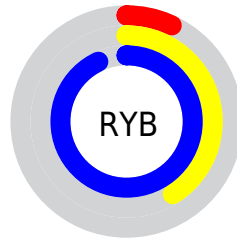
The XYZ color **28.1537, 31.6843, 83.9887** is a dark color, and the websafe version is hex **3399CC**. The color can be described as middle washed azure. A complement of this color would be **38.7163, 25.8922, 3.5749**, and the grayscale version is **20.0569, 21.1014, 22.9794**.

A 20% lighter version of the original color is **49.1614, 59.7112, 103.5421**, and **13.8141, 14.4471, 45.2405** is the 20% darker color. If you saturate the color by 10%, you get **26.7656, 29.3065, 83.6036**, and if you desaturate by 10%, it is **30.3393, 34.9974, 84.5137**.

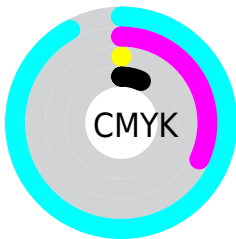
Distribution



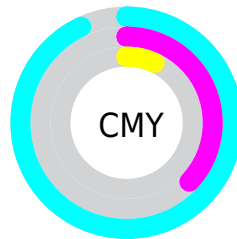
- Red (7%)
- Green (63%)
- Blue (93%)



- Red (7%)
- Yellow (41%)
- Blue (93%)



- Cyan (92%)
- Magenta (32%)
- Yellow (0%)
- Black (7%)



- Cyan (93%)
- Magenta (37%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 28.1537, 31.6843, 83.9887 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 28.1537, 31.6843, 83.9887 by changing the saturation by 10% instead.

■ 28.1537, 31.6843,
83.9887

■ 28.1537, 31.6843,
83.9887

285.2674,
309.6786, 528.3328

■ 18.5826, 21.1205,
62.4608

■ 56.1367, 62.3158,
140.8210

■ 11.4713, 13.2121,
44.9669

■ 75.2792, 83.1524,
176.9624

■ 6.4544, 7.5748,
31.0886

■ 98.3430, 108.1819,
218.8120

■ 3.1666, 3.8241,
20.4073

■ 125.6934,
137.7888, 266.7884

■ 1.2424, 1.5756,
12.5045

■ 157.6956,
172.3576, 321.3102

■ 0.1395, 0.3411,
6.9615

194.7151,

■ 0.0000, 0.0000,

212.2725, 382.7958

3.3600

237.1173,
257.9181, 451.6638

■ 0.0000, 0.0000,
1.2812

■ 0.0000, 0.0000,
0.0463

■ 28.1537, 31.6843,
83.9887

■ 28.1537, 31.6843,
83.9887

■ 26.7656, 29.3065,
83.6036

■ 30.3393, 34.9974,
84.5137

■ 33.1883, 38.7927,
85.0961

■ 36.7898, 43.1190,
85.7413

■ 41.2174, 48.0168,
86.4533

■ 46.5350, 53.5212,
87.2355

■ 52.7998, 59.6641,
88.0910

■ 60.0642, 66.4748,
89.0228

■ 68.3763, 73.9801,
90.0333

■ 77.7809, 82.2055,
91.1253

Harmonies

Analogous

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



22.8230, 31.6843, 70.8765



28.1537, 31.6843, 83.9887



34.8447, 31.6843, 80.5696

Triad

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



28.1537, 31.6843, 83.9887



43.5336, 31.6843, 23.1457



21.3375, 31.6843, 16.3282

Complementary

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



28.1537, 31.6843, 83.9887



38.7163, 25.8922, 3.5749

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.



25.8339, 31.6843, 10.5277



28.1537, 31.6843, 83.9887



38.8150, 31.6843, 13.3515

Square

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



28.1537, 31.6843, 83.9887



44.3943, 31.6843, 40.5669



32.1653, 31.6843, 9.6831



19.2818, 31.6843, 29.0682

Rectangle

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



28.1537, 31.6843, 83.9887



39.1637, 31.6843, 69.7425



32.1653, 31.6843, 9.6831



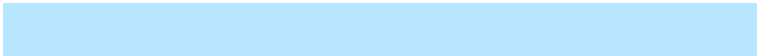
22.5799, 31.6843, 13.7297

Sweetspot

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



28.1549, 31.6853, 83.9895



66.1070, 74.1321, 105.4325



32.1689, 60.8918, 20.0367



13.3842, 15.1394, 22.4667



0.0000, 0.0000, 0.0000



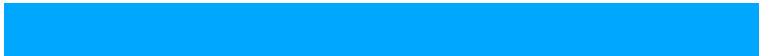
20.3446, 21.4041, 23.3091

Same Dimension

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



28.1549, 31.6853, 83.9895



31.8417, 34.8033, 99.6472



16.7854, 8.9463, 80.1997



15.0540, 16.1944, 19.2546



14.8790, 16.4049, 46.1252



1.2575, 1.4665, 3.6517

Inverse Universe

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



41.2591, 20.8733, 35.5733



48.2014, 24.0446, 38.5882



55.3276, 59.1148, 9.1120



15.4808, 15.2202, 17.8171



22.3655, 11.1489, 18.2579



1.8012, 0.8935, 1.6707

Previews

White Background



This preview shows how the XYZ color 28.1537, 31.6843, 83.9887 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 28.1537, 31.6843, 83.9887 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

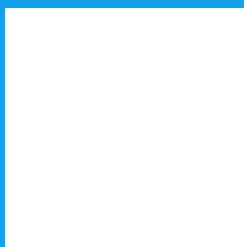
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 28.1537, 31.6843, 83.9887

Background



This preview shows how black text looks on a background with the XYZ color 28.1537, 31.6843, 83.9887.

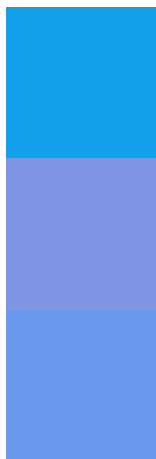


This preview shows how white text looks on a background with the XYZ color 28.1537, 31.6843,

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

28.1537, 31.6843, 83.9887

Protanopia

32.9324, 31.3459, 76.2661

Deuteranopia

32.4866, 31.6328, 85.2824



Tritanopia

22.5285, 31.7121, 48.6497

Trichromacy



Original Color

28.1537, 31.6843, 83.9887

Protanomaly

29.5119, 30.4741, 79.1896

Deuteranomaly

29.8314, 31.0130, 84.5346

Tritanomaly

24.2665, 31.5347, 60.0662

Monochromacy



Original Color

28.1537, 31.6843, 83.9887

Achromatopsia

20.1725, 21.2231, 23.1119

Achromatomaly

20.2322, 23.3300, 39.9960

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.1537, 31.6843, 83.9887 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(19, 161, 236)` looks like.

```
.text, #text, p{  
    color:rgb(19, 161, 236)  
}
```

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(19, 161, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(19, 161, 236) }
```

Border

The CSS property to change the border of an element to XYZ 28.1537, 31.6843, 83.9887 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(19, 161, 236) }
```


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

```
.border{ border-color:rgb(19, 161, 236) }
```

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

Here you see how a box with a 4 pixel `rgb(19, 161, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(19, 161, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(19, 161, 236);  
box-shadow:4px 4px 4px 4px rgb(19, 161,  
236) }
```

Background

The CSS property to change the background color of an element to XYZ 28.1537, 31.6843, 83.9887 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(19, 161, 236) }
```

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

```
.background{ background-color: rgb(19, 161,  
236) }
```

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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