

Converting Colors

XYZ(27.8135, 32.0441, 80.1091)

Have a look what the booklet for
XYZ(27.8135, 32.0441, 80.1091)
contains.

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Color

**XYZ(27.8977, 32.1581,
80.3381)**

Conversions

Conversions Part 1

Format	Color
Hex	18A3E7
RGB	24, 163, 231
RGB Percent	9%, 64%, 91%
CMY	0.9058, 0.3608, 0.0941
CMYK	0.90, 0.29, 0.00, 0.09
HSL	200°, 81%, 50%
HSV	200°, 90%, 91%
XYZ	27.8977, 32.1581, 80.3381
YIQ	129.1910, -104.6720, -8.3200

Conversions

Conversions Part 2

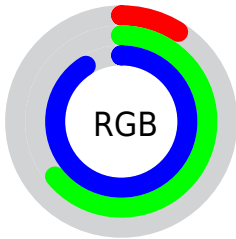
Format	Color
R _Y B	24, 107, 231
Decimal	1614823
CIE Lab	63.47, -10.27, -43.70
CIE LCh	63, 44.892, 256.775
Yxy	32.1581, 0.1987, 0.2291
Android (android.graphics.Color)	4279804903 (0xFF18A3E7)
YUV	129.1910, 50.1918, -92.2525
Hunter-Lab	56.7081, -11.4257, -44.3002

Details

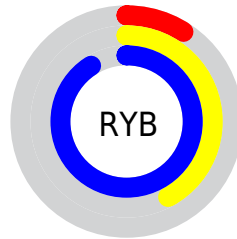
The XYZ color **27.8977, 32.1581, 80.3381** is a dark color, and the websafe version is hex **3399CC**. The color can be described as middle washed azure. A complement of this color would be **36.9504, 24.7150, 3.6889**, and the grayscale version is **20.7928, 21.8757, 23.8226**.

A 20% lighter version of the original color is **49.6769, 60.7423, 103.7139**, and **13.5320, 14.6835, 42.6784** is the 20% darker color. If you saturate the color by 10%, you get **26.2257, 29.3557, 79.8860**, and if you desaturate by 10%, it is **30.0882, 35.3487, 80.8392**.

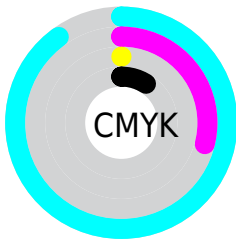
Distribution



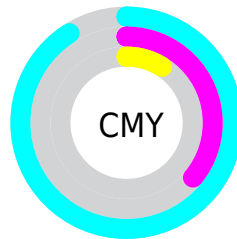
- Red (9%)
- Green (64%)
- Blue (91%)



- Red (9%)
- Yellow (42%)
- Blue (91%)



- Cyan (90%)
- Magenta (29%)
- Yellow (0%)
- Black (9%)



- Cyan (91%)
- Magenta (36%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 27.8977, 32.1581, 80.3381 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 27.8977, 32.1581, 80.3381 by changing the saturation by 10% instead.

■ 27.8977, 32.1581,
80.3381

■ 27.8977, 32.1581,
80.3381

284.0667,
311.8388, 515.8083

■ 18.3886, 21.4823,
59.4688

■ 55.7309, 63.0589,
135.6567

■ 11.3307, 13.4770,
42.5681

■ 74.7856, 84.0526,
170.9430

■ 6.3587, 7.7578,
29.2175

■ 97.7531, 109.2544,
211.8722

■ 3.1071, 3.9404,
18.9984

■ 124.9984,
139.0487, 258.8626

■ 1.2107, 1.6403,
11.4924

■ 156.8871,
173.8199, 312.3329

■ 0.1148, 0.3845,
6.2807

193.7845,

■ 0.0000, 0.0000,

213.9524, 372.7016

2.9450

236.0559,
259.8306, 440.3872

■ 0.0000, 0.0000,
1.0666

■ 0.0000, 0.0000,
0.0000

■ 27.8977, 32.1581,
80.3381

■ 27.8977, 32.1581,
80.3381

■ 26.2257, 29.3557,
79.8860

■ 30.0882, 35.3487,
80.8392

■ 26.1629, 29.2475,
79.8684

■ 32.9229, 38.9931,
81.3932

■ 36.4824, 43.1352,
82.0051

■ 40.8337, 47.8115,
82.6784

■ 46.0354, 53.0542,
83.4162

■ 52.1406, 58.8923,
84.2213

■ 59.1976, 65.3528,
85.0963

■ 67.2511, 72.4603,
86.0437

■ 76.3430, 80.2382,
87.0658

Harmonies

Analogous

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



23.0520, 32.1581, 66.5549



27.8977, 32.1581, 80.3381



34.1663, 32.1581, 79.3822

Triad

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



27.8977, 32.1581, 80.3381



43.5747, 32.1581, 25.9918



22.6186, 32.1581, 16.3379

Complementary

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



27.8977, 32.1581, 80.3381



36.9504, 24.7150, 3.6889

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.



27.2267, 32.1581, 11.3194



27.8977, 32.1581, 80.3381



39.5560, 32.1581, 15.4478

Square

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



27.8977, 32.1581, 80.3381



43.8192, 32.1581, 43.4931



33.3978, 32.1581, 11.0615



20.2962, 32.1581, 27.7166

Rectangle

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



27.8977, 32.1581, 80.3381



38.3386, 32.1581, 70.4480



33.3978, 32.1581, 11.0615



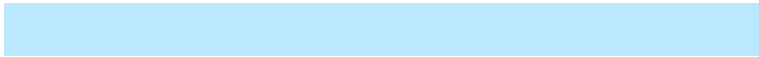
23.9209, 32.1581, 14.0497

Sweetspot

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



27.8989, 32.1592, 80.3389



67.2997, 75.6050, 105.6539



30.7810, 58.0779, 19.1656



13.7940, 15.6133, 22.5366



0.0000, 0.0000, 0.0000



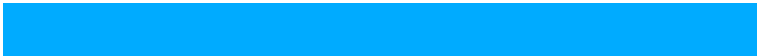
20.3446, 21.4041, 23.3091

Same Dimension

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



27.8989, 32.1592, 80.3389



32.6545, 36.4290, 99.9182



16.5228, 9.4069, 76.5469



14.3875, 15.4964, 18.3771



14.7851, 16.6323, 44.8143



1.1766, 1.3971, 3.3396

Inverse Universe

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



39.8936, 20.2881, 36.4645



48.6117, 24.2087, 40.7488



52.2030, 55.2202, 8.7731



14.7832, 14.5305, 17.0586



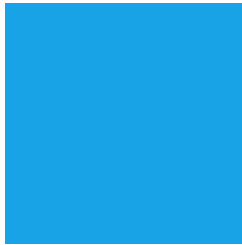
21.8564, 10.8768, 18.6704



1.6575, 0.8207, 1.6029

Previews

White Background



This preview shows how the XYZ color 27.8977, 32.1581, 80.3381 looks on a white background.

Color Contrast Check

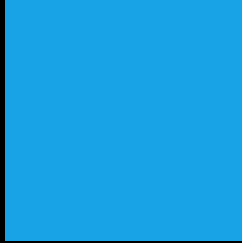
Large Text (above 18pt) WCAG AA × Fail

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 27.8977, 32.1581, 80.3381 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

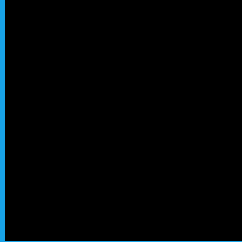
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

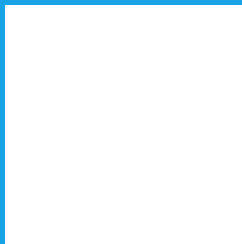
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 27.8977, 32.1581, 80.3381

Background



This preview shows how black text looks on a background with the XYZ color 27.8977, 32.1581, 80.3381.



This preview shows how white text looks on a background with the XYZ color 27.8977, 32.1581,

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

27.8977, 32.1581, 80.3381

Protanopia

33.0305, 31.7258, 72.0929

Deuteranopia

32.8896, 31.9077, 82.2672



Tritanopia

22.8182, 32.1268, 49.2544

Trichromacy



Original Color

27.8977, 32.1581, 80.3381

Protanomaly

29.4903, 31.0487, 74.9597

Deuteranomaly

29.9898, 31.4095, 81.5728

Tritanomaly

24.3567, 31.8656, 59.5105

Monochromacy



Original Color

27.8977, 32.1581, 80.3381

Achromatopsia

20.8660, 21.9526, 23.9064

Achromatomaly

20.7222, 24.0271, 39.6219

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.8977, 32.1581, 80.3381 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, 163, 231)` looks like.

```
.text, #text, p{  
    color:rgb(24, 163, 231)  
}
```

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, 163, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(24, 163, 231) }
```

Border

The CSS property to change the border of an element to XYZ 27.8977, 32.1581, 80.3381 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, 163, 231) }
```


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

```
.border{ border-color:rgb(24, 163, 231) }
```

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

Here you see how a box with a 4 pixel `rgb(24, 163, 231)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(24, 163, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(24, 163, 231);  
box-shadow:4px 4px 4px 4px rgb(24, 163,  
231) }
```

Background

The CSS property to change the background color of an element to XYZ 27.8977, 32.1581, 80.3381 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(24, 163, 231) }
```

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

```
.background{ background-color: rgb(24, 163,  
231) }
```

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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