

Converting Colors

XYZ(27.7734, 32.3902, 80.2453)

Have a look what the booklet for
XYZ(27.7734, 32.3902, 80.2453)
contains.

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Color

**XYZ(27.7869, 32.3656,
80.3840)**

Conversions

Conversions Part 1

Format	Color
Hex	07A4E7
RGB	7, 164, 231
RGB Percent	3%, 64%, 91%
CMY	0.9723, 0.3569, 0.0941
CMYK	0.97, 0.29, 0.00, 0.09
HSL	198°, 94%, 47%
HSV	198°, 97%, 91%
XYZ	27.7869, 32.3656, 80.3840
YIQ	124.6950, -115.0790, -12.4470

Conversions

Conversions Part 2

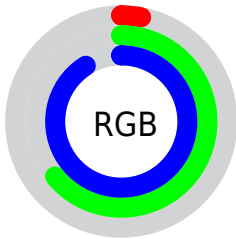
Format	Color
R_{YB}	7, 99, 231
Decimal	500967
CIE _{Lab}	63.64, -11.45, -43.44
CIE _{LCh}	64, 44.925, 255.239
Yxy	32.3656, 0.1977, 0.2303
Android (android.graphics.Color)	4278691047 (0xFF07A4E7)
YUV	124.6950, 52.4084, -103.2185
Hunter-Lab	56.8908, -12.3749, -43.9505

Details

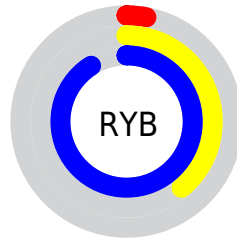
The XYZ color **27.7869, 32.3656, 80.3840** is a dark color, and the websafe version is hex **3399CC**. The color can be described as middle washed azure. A complement of this color would be **35.4469, 21.9104, 2.5637**, and the grayscale version is **19.2546, 20.2574, 22.0603**.

A 20% lighter version of the original color is **49.5659, 61.0712, 103.7833**, and **13.5320, 14.6835, 42.6784** is the 20% darker color. If you saturate the color by 10%, you get **27.3247, 31.5710, 80.2557**, and if you desaturate by 10%, it is **29.5106, 35.1410, 80.8295**.

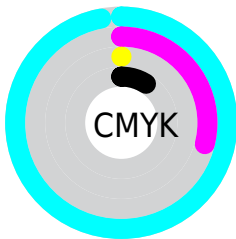
Distribution



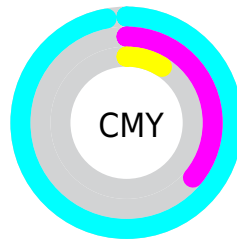
- Red (3%)
- Green (64%)
- Blue (91%)



- Red (3%)
- Yellow (39%)
- Blue (91%)



- Cyan (97%)
- Magenta (29%)
- Yellow (0%)
- Black (9%)



- Cyan (97%)
- Magenta (36%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 27.7869, 32.3656, 80.3840 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 27.7869, 32.3656, 80.3840 by changing the saturation by 10% instead.

■ 27.7869, 32.3656,
80.3840

■ 27.7869, 32.3656,
80.3840

283.5458,
312.7813, 515.9669

■ 18.3047, 21.6409,
59.5064

■ 55.5551, 63.3838,
135.7218

■ 11.2700, 13.5933,
42.5982

■ 74.5718, 84.4461,
171.0190

■ 6.3174, 7.8383,
29.2409

■ 97.4973, 109.7230,
211.9598

■ 3.0815, 3.9917,
19.0160

■ 124.6971,
139.5990, 258.9627

■ 1.1970, 1.6689,
11.5049

■ 156.5365,
174.4584, 312.4464

■ 0.1040, 0.4034,
6.2891

193.3809,

■ 0.0000, 0.0000,

214.6857, 372.8293

2.9500

235.5955,
260.6652, 440.5299

■ 0.0000, 0.0000,
1.0692

■ 0.0000, 0.0000,
0.0000

■ 27.7869, 32.3656,
80.3840

■ 27.7869, 32.3656,
80.3840

■ 27.3247, 31.5710,
80.2557

■ 29.5106, 35.1410,
80.8295

■ 31.7914, 38.3044,
81.3199

■ 34.7270, 41.9083,
81.8608

■ 38.3924, 45.9926,
82.4560

■ 42.8518, 50.5920,
83.1087

■ 48.1619, 55.7371,
83.8220

■ 54.3740, 61.4557,
84.5984

■ 61.5352, 67.7735,
85.4404

■ 69.6890, 74.7141,
86.3503

Harmonies

Analogous

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



23.0180, 32.3656, 65.9466



27.7869, 32.3656, 80.3840



34.0474, 32.3656, 80.2546

Triad

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



27.7869, 32.3656, 80.3840



43.9481, 32.3656, 26.9087



22.9593, 32.3656, 16.0654

Complementary

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



27.7869, 32.3656, 80.3840



35.4469, 21.9104, 2.5637

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.



27.6961, 32.3656, 11.2945



27.7869, 32.3656, 80.3840



40.0743, 32.3656, 15.9448

Square

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



27.7869, 32.3656, 80.3840



43.9812, 32.3656, 44.8082



33.9434, 32.3656, 11.2596



20.4995, 32.3656, 27.1423

Rectangle

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



27.7869, 32.3656, 80.3840



38.2703, 32.3656, 71.7113



33.9434, 32.3656, 11.2596



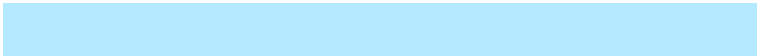
24.3071, 32.3656, 13.8671

Sweetspot

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



27.7881, 32.3667, 80.3848



66.2214, 75.2570, 105.6436



29.7863, 57.6466, 15.4364



13.4538, 15.4469, 22.5224



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.



27.7881, 32.3667, 80.3848



34.1115, 39.3431, 100.4038



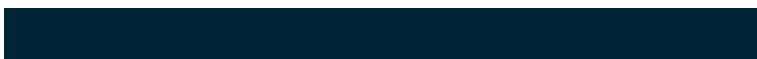
15.9064, 8.6032, 76.4243



14.4243, 15.5701, 18.3894



15.4319, 17.9258, 45.0299



1.2206, 1.4852, 3.3543

Inverse Universe

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



39.7330, 19.8228, 36.8548



49.3471, 24.5028, 44.6215



49.8206, 50.6578, 7.3549



14.8018, 14.5379, 17.1565



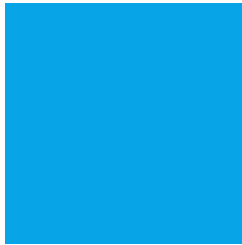
22.1828, 11.0073, 20.3894



1.6797, 0.8296, 1.7200

Previews

White Background



This preview shows how the XYZ color 27.7869, 32.3656, 80.3840 looks on a white background.

Color Contrast Check

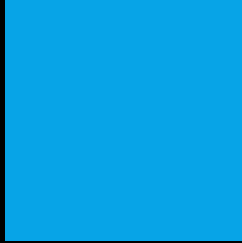
Large Text (above 18pt) WCAG AA × Fail

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 27.7869, 32.3656, 80.3840 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

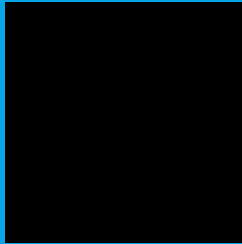
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 27.7869, 32.3656, 80.3840

Background



This preview shows how black text looks on a background with the XYZ color 27.7869, 32.3656, 80.3840.

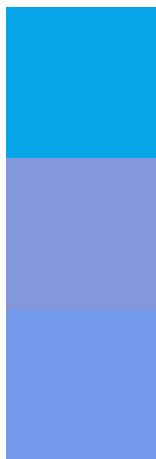


This preview shows how white text looks on a background with the XYZ color 27.7869, 32.3656,

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

27.7869, 32.3656, 80.3840

Protanopia

33.3449, 32.1258, 72.1536

Deuteranopia

33.1819, 32.3004, 82.3276



Tritanopia

22.9220, 32.1683, 49.8007

Trichromacy



Original Color

27.7869, 32.3656, 80.3840



Protanomaly

29.1808, 31.1372, 74.9931



Deuteranomaly

29.6666, 31.4930, 81.6060



Tritanomaly

24.4655, 32.1948, 59.5683

Monochromacy



Original Color

27.7869, 32.3656, 80.3840



Achromatopsia

19.4927, 20.5079, 22.3331



Achromatomaly

19.4131, 22.9394, 38.5265

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.7869, 32.3656, 80.3840 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(7, 164, 231)` looks like.

```
.text, #text, p{  
    color:rgb(7, 164, 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(7, 164, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(7, 164, 231) }
```

Border

The CSS property to change the border of an element to XYZ 27.7869, 32.3656, 80.3840 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(7, 164, 231) }
```


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

```
.border{ border-color:rgb(7, 164, 231) }
```

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

Here you see how a box with a 4 pixel `rgb(7, 164, 231)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(7, 164, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(7, 164, 231);  
box-shadow:4px 4px 4px 4px rgb(7, 164,  
231) }
```

Background

The CSS property to change the background color of an element to XYZ 27.7869, 32.3656, 80.3840 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(7, 164, 231) }
```

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

```
.background{ background-color: rgb(7, 164,  
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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