

Converting Colors

XYZ(27.2531, 31.4448, 78.4769)

Have a look what the booklet for
XYZ(27.2531, 31.4448, 78.4769)
contains.

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Color

**XYZ(27.2411, 31.3290,
78.7401)**

Conversions

Conversions Part 1

Format	Color
Hex	17A1E5
RGB	23, 161, 229
RGB Percent	9%, 63%, 90%
CMY	0.9097, 0.3686, 0.1020
CMYK	0.90, 0.30, 0.00, 0.10
HSL	200°, 82%, 49%
HSV	200°, 90%, 90%
XYZ	27.2411, 31.3290, 78.7401
YIQ	127.4900, -104.0760, -8.1080

Conversions

Conversions Part 2

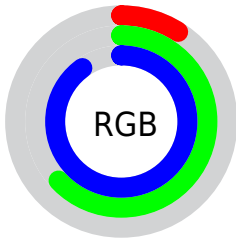
Format	Color
R _Y B	23, 106, 229
Decimal	1548773
CIE Lab	62.78, -9.93, -43.68
CIE LCh	63, 44.797, 257.195
Yxy	31.3290, 0.1984, 0.2282
Android (android.graphics.Color)	4279738853 (0xFF17A1E5)
YUV	127.4900, 50.0444, -91.6377
Hunter-Lab	55.9723, -11.0776, -44.2267

Details

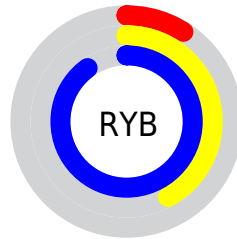
The XYZ color **27.2411, 31.3290, 78.7401** is a dark color, and the websafe version is hex **3399CC**. The color can be described as middle washed azure. A complement of this color would be **36.2124, 24.2082, 3.5765**, and the grayscale version is **20.2040, 21.2561, 23.1479**.

A 20% lighter version of the original color is **49.1614, 59.7112, 103.5421**, and **13.1188, 14.1690, 41.5786** is the 20% darker color. If you saturate the color by 10%, you get **25.6082, 28.5852, 78.2972**, and if you desaturate by 10%, it is **29.3734, 34.4497, 79.2307**.

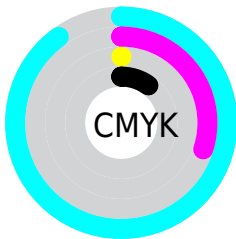
Distribution



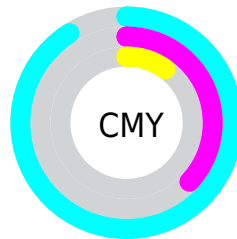
- Red (9%)
- Green (63%)
- Blue (90%)



- Red (9%)
- Yellow (42%)
- Blue (90%)



- Cyan (90%)
- Magenta (30%)
- Yellow (0%)
- Black (10%)



- Cyan (91%)
- Magenta (37%)
- Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 27.2411, 31.3290, 78.7401 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 27.2411, 31.3290, 78.7401 by changing the saturation by 10% instead.

■ 27.2411, 31.3290,
78.7401

■ 27.2411, 31.3290,
78.7401

280.9689,
308.0512, 510.2710

■ 17.8919, 20.8495,
58.1621

■ 54.6877, 61.7577,
133.3883

■ 10.9716, 13.0140,
41.5234

■ 73.5158, 82.4757,
168.2955

■ 6.1149, 7.4382,
28.4055

■ 96.2342, 107.3752,
208.8162

■ 2.9564, 3.7376,
18.3899

■ 123.2083,
136.8408, 255.3690

■ 1.1307, 1.5279,
11.0579

■ 154.8035,
171.2568, 308.3723

■ 0.0506, 0.3082,
5.9911

191.3851,

■ 0.0000, 0.0000,

211.0076, 368.2447

2.7710

233.3184,
256.4776, 435.4048

■ 0.0000, 0.0000,
0.9789

■ 0.0000, 0.0000,
0.0000

■ 27.2411, 31.3290,
78.7401

■ 27.2411, 31.3290,
78.7401

■ 25.6082, 28.5852,
78.2972

■ 29.3734, 34.4497,
79.2307

■ 25.5992, 28.5697,
78.2947

■ 32.1349, 38.0151,
79.7734

■ 35.6049, 42.0682,
80.3728

■ 39.8493, 46.6452,
81.0326

■ 44.9258, 51.7775,
81.7556

■ 50.8865, 57.4939,
82.5448

■ 57.7788, 63.8206,
83.4028

■ 65.6468, 70.7822,
84.3318

■ 74.5313, 78.4013,
85.3342

Harmonies

Analogous

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



22.4661, 31.3290, 65.3473



27.2411, 31.3290, 78.7401



33.3987, 31.3290, 77.5772

Triad

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



27.2411, 31.3290, 78.7401



42.5132, 31.3290, 25.0759



21.9412, 31.3290, 15.9343

Complementary

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



27.2411, 31.3290, 78.7401



36.2124, 24.2082, 3.5765

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.



26.4276, 31.3290, 10.9618



27.2411, 31.3290, 78.7401



38.5240, 31.3290, 14.8589

Square

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



27.2411, 31.3290, 78.7401



42.8101, 31.3290, 42.1520



32.4662, 31.3290, 10.6509



19.7008, 31.3290, 27.1654

Rectangle

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



27.2411, 31.3290, 78.7401



37.4845, 31.3290, 68.6772



32.4662, 31.3290, 10.6509



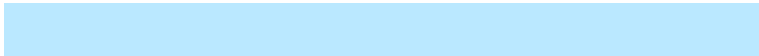
23.2063, 31.3290, 13.6719

Sweetspot

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



27.2423, 31.3300, 78.7409



67.2686, 75.5428, 105.6435



30.1459, 56.9306, 18.6884



13.7867, 15.5986, 22.5341



0.0000, 0.0000, 0.0000



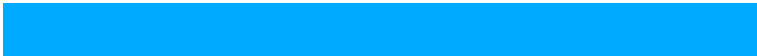
20.3446, 21.4041, 23.3091

Same Dimension

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



27.2423, 31.3300, 78.7409



32.5774, 36.2749, 99.8925



16.1550, 9.1555, 75.0451



14.3855, 15.4924, 18.3765



14.7509, 16.5638, 44.8029



1.1742, 1.3924, 3.3388

Inverse Universe

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



39.0536, 19.8456, 35.4911



48.5728, 24.1931, 40.5439



51.1517, 54.0868, 8.5563



14.7822, 14.5301, 17.0533



21.8391, 10.8698, 18.5793



1.6563, 0.8202, 1.5967

Previews

White Background



This preview shows how the XYZ color 27.2411, 31.3290, 78.7401 looks on a white background.

Color Contrast Check

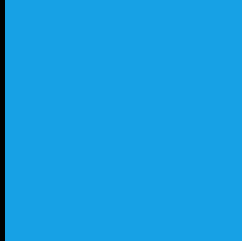
Large Text (above 18pt) WCAG AA × Fail

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 27.2411, 31.3290, 78.7401 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

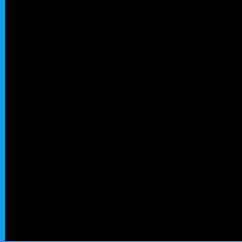
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

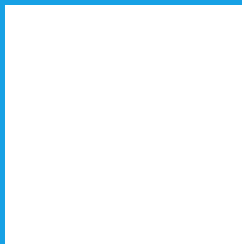
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 27.2411, 31.3290, 78.7401

Background



This preview shows how black text looks on a background with the XYZ color 27.2411, 31.3290, 78.7401.

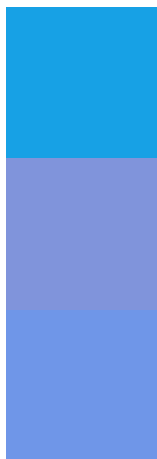


This preview shows how white text looks on a background with the XYZ color 27.2411, 31.3290,

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

27.2411, 31.3290, 78.7401

Protanopia

32.2782, 30.8835, 71.2777

Deuteranopia

32.0274, 31.0184, 80.6431



Tritanopia

22.2409, 31.3006, 48.0494

Trichromacy



Original Color

27.2411, 31.3290, 78.7401

Protanomaly

28.9270, 30.2838, 74.1328

Deuteranomaly

29.2039, 30.5430, 79.9575

Tritanomaly

23.7483, 31.0391, 58.1656

Monochromacy



Original Color

27.2411, 31.3290, 78.7401

Achromatopsia

20.5175, 21.5861, 23.5072

Achromatomaly

20.3861, 23.6464, 39.0871

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.2411, 31.3290, 78.7401 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(23, 161, 229)` looks like.

```
.text, #text, p{  
    color:rgb(23, 161, 229)  
}
```

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(23, 161, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(23, 161, 229) }
```

Border

The CSS property to change the border of an element to XYZ 27.2411, 31.3290, 78.7401 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(23, 161, 229) }
```


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

```
.border{ border-color:rgb(23, 161, 229) }
```

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

Here you see how a box with a 4 pixel rgb(23, 161, 229) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(23, 161, 229); -webkit-box-  
shadow:4px 4px 4px 4px rgb(23, 161, 229);  
box-shadow:4px 4px 4px 4px rgb(23, 161,  
229) }
```

Background

The CSS property to change the background color of an element to XYZ 27.2411, 31.3290, 78.7401 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(23, 161, 229) }
```

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

```
.background{ background-color: rgb(23, 161,  
229) }
```

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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