

Converting Colors

XYZ(29.7788, 29.4768, 98.7278)

Have a look what the booklet for
XYZ(29.7788, 29.4768, 98.7278)
contains.

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Color

**XYZ(29.7557, 29.4448,
98.7229)**

Conversions

Conversions Part 1

Format	Color
Hex	2696FF
RGB	38, 150, 255
RGB Percent	15%, 59%, 100%
CMY	0.8509, 0.4118, 0.0000
CMYK	0.85, 0.41, 0.00, 0.00
HSL	209°, 100%, 57%
HSV	209°, 85%, 100%
XYZ	29.7557, 29.4448, 98.7229
YIQ	128.4820, -100.4570, 8.9110

Conversions

Conversions Part 2

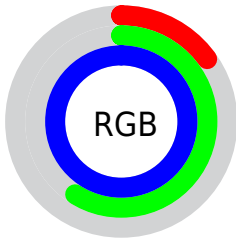
Format	Color
RYB	38, 112, 255
Decimal	2529023
CIELab	61.17, 6.87, -60.52
CIElCh	61, 60.908, 276.474
Yxy	29.4448, 0.1884, 0.1864
Android (android.graphics.Color)	4280719103 (0xFF2696FF)
YUV	128.4820, 62.3734, -79.3527
Hunter-Lab	54.2631, 2.9219, -69.8845

Details

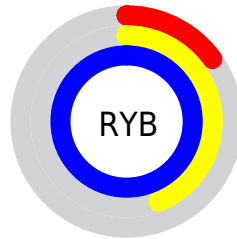
The XYZ color **29.7557, 29.4448, 98.7229** is a dark color, and the websafe version is hex **3399FF**. The color can be described as middle washed azure. A complement of this color would be **51.4164, 41.0524, 7.0499**, and the grayscale version is **20.5031, 21.5709, 23.4907**.

A 20% lighter version of the original color is **47.5280, 54.4707, 102.6166**, and **14.7502, 13.1916, 55.1949** is the 20% darker color. If you saturate the color by 10%, you get **27.2490, 25.3819, 98.0708**, and if you desaturate by 10%, it is **33.1142, 34.2552, 99.4744**.

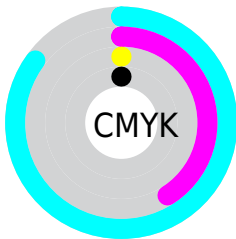
Distribution



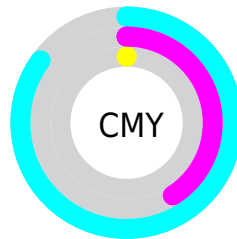
- Red (15%)
- Green (59%)
- Blue (100%)



- Red (15%)
- Yellow (44%)
- Blue (100%)



- Cyan (85%)
- Magenta (41%)
- Yellow (0%)
- Black (0%)



- Cyan (85%)
- Magenta (41%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.7557, 29.4448, 98.7229 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 29.7557, 29.4448, 98.7229 by changing the saturation by 10% instead.

■ 29.7557, 29.4448,
98.7229

■ 29.7557, 29.4448,
98.7229

292.6944,
299.3079, 577.3020

■ 19.8004, 19.4176,
74.6235

■ 58.6649, 58.7830,
161.4376

■ 12.3574, 11.9724,
54.8046

■ 78.3495, 78.8628,
200.8899

■ 7.0615, 6.7249,
38.8478

■ 102.0079,
103.0623, 246.2970

■ 3.5473, 3.2906,
26.3344

■ 130.0054,
131.7658, 298.0773

■ 1.4494, 1.2853,
16.8460

■ 162.7075,
165.3577, 356.6494

■ 0.2910, 0.1298,
9.9639

200.4795,

■ 0.0000, 0.0000,

204.2224, 422.4319

5.2698

243.6866,
248.7443, 495.8433

■ 0.0000, 0.0000,
2.3449

■ 0.0000, 0.0000,
0.7562

■ 29.7557, 29.4448,
98.7229

■ 29.7557, 29.4448,
98.7229

■ 27.2490, 25.3819,
98.0708

■ 33.1142, 34.2552,
99.4744

■ 26.2471, 23.6142,
97.7824

■ 37.4403, 39.8811,
100.3323

■ 42.8329, 46.3824,
101.3029

■ 49.3762, 53.8110,
102.3919

■ 57.1455, 62.2136,
103.6043

■ 66.2091, 71.6333,
104.9448

■ 76.6299, 82.1099,
106.4177

■ 88.4664, 93.6811,
108.0273

■ 95.0500, 100.0000,
108.9000

Harmonies

Analogous

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



22.2874, 29.4448, 91.7422



29.7557, 29.4448, 98.7229



38.1559, 29.4448, 82.0962

Triad

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



29.7557, 29.4448, 98.7229



42.2581, 29.4448, 12.3638



16.1249, 29.4448, 17.5014

Complementary

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



29.7557, 29.4448, 98.7229



51.4164, 41.0524, 7.0499

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.



19.8063, 29.4448, 8.0893



29.7557, 29.4448, 98.7229



34.5825, 29.4448, 6.2647

Square

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



29.7557, 29.4448, 98.7229



46.2094, 29.4448, 27.3482



26.2887, 29.4448, 5.1944



15.3217, 29.4448, 37.2849

Rectangle

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



29.7557, 29.4448, 98.7229



42.8579, 29.4448, 63.0445



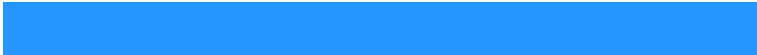
26.2887, 29.4448, 5.1944



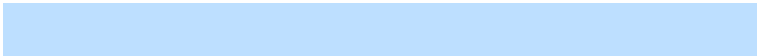
17.0274, 29.4448, 13.3728

Sweetspot

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



29.7568, 29.4456, 98.7230



65.3271, 70.7309, 104.8171



41.5104, 73.9126, 38.0243



13.2876, 14.4228, 22.3335



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.



29.7568, 29.4456, 98.7230



26.2471, 23.6142, 97.7824



19.6656, 9.2632, 95.3592



17.7784, 18.9284, 22.9665



13.8650, 12.6395, 51.1435



1.4594, 1.4495, 5.0161

Inverse Universe

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



47.4391, 24.8499, 31.1509



45.3775, 22.9150, 23.7178



76.2075, 90.6345, 15.3135



18.4008, 18.1436, 20.7277



23.7866, 12.0039, 12.7926



2.3712, 1.1909, 1.5364

Previews

White Background



This preview shows how the XYZ color 29.7557, 29.4448, 98.7229 looks on a white background.

Color Contrast Check

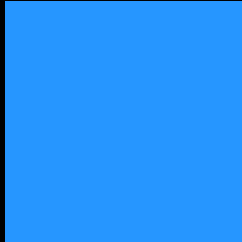
Large Text (above 18pt) WCAG AA ✓ Pass

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 29.7557, 29.4448, 98.7229 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

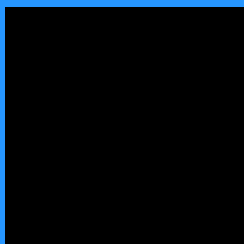
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

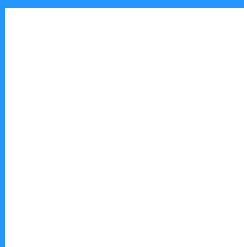
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 29.7557, 29.4448, 98.7229

Background



This preview shows how black text looks on a background with the XYZ color 29.7557, 29.4448, 98.7229.



This preview shows how white text looks on a background with the XYZ color 29.7557, 29.4448,

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

29.7557, 29.4448, 98.7229

Protanopia

32.2452, 29.2470, 92.7527

Deuteranopia

30.3848, 29.2993, 98.6616



Tritanopia

20.7372, 29.2504, 44.5973

Trichromacy



Original Color

29.7557, 29.4448, 98.7229

Protanomaly

30.9159, 29.1851, 95.2706

Deuteranomaly

30.1627, 29.4187, 98.6964

Tritanomaly

23.1875, 28.8589, 60.8481

Monochromacy



Original Color

29.7557, 29.4448, 98.7229

Achromatopsia

20.5175, 21.5861, 23.5072

Achromatomaly

21.1635, 23.0972, 43.3872

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.7557, 29.4448, 98.7229 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(38, 150, 255)` looks like.

```
.text, #text, p{  
  color:rgb(38, 150, 255)  
}
```

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(38, 150, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(38, 150, 255) }
```

Border

The CSS property to change the border of an element to XYZ 29.7557, 29.4448, 98.7229 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(38, 150, 255) }
```


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

```
.border{ border-color:rgb(38, 150, 255) }
```

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

Here you see how a box with a 4 pixel rgb(38, 150, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(38, 150, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(38, 150, 255);  
box-shadow:4px 4px 4px 4px rgb(38, 150,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 29.7557, 29.4448, 98.7229 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(38, 150, 255) }
```

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

```
.background{ background-color: rgb(38, 150,  
255) }
```

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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