

Converting Colors

XYZ(36.6815, 30.6178,
135.3179)

Have a look what the booklet for
XYZ(36.6815, 30.6178, 135.3179)
contains.

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Color

**XYZ(29.6761, 27.7947,
98.4086)**

Conversions

Conversions Part 1

Format	Color
Hex	3B8FFF
RGB	59, 143, 255
RGB Percent	23%, 56%, 100%
CMY	0.7686, 0.4392, 0.0000
CMYK	0.77, 0.44, 0.00, 0.00
HSL	214°, 100%, 62%
HSV	214°, 77%, 100%
XYZ	29.6761, 27.7947, 98.4086
YIQ	130.6520, -86.0160, 17.0240

Conversions

Conversions Part 2

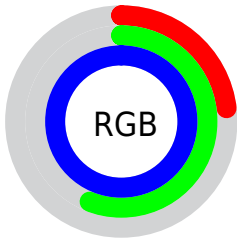
Format	Color
R_{YB}	59, 118, 255
Decimal	3903487
CIE _{Lab}	59.70, 12.90, -62.85
CIE _{LCh}	60, 64.157, 281.597
Yxy	27.7947, 0.1904, 0.1783
Android (android.graphics.Color)	4282093567 (0xFF3B8FFF)
YUV	130.6520, 61.3036, -62.8388
Hunter-Lab	52.7207, 8.2152, -73.7664

Details

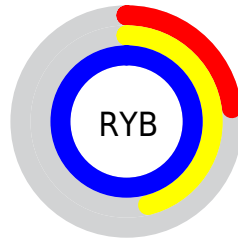
The XYZ color **29.6761, 27.7947, 98.4086** is a dark color, and the websafe version is hex **6699FF**. The color can be described as middle washed azure. A complement of this color would be **56.5956, 50.7076, 10.9445**, and the grayscale version is **21.2622, 22.3695, 24.3603**.

A 20% lighter version of the original color is **47.3056, 51.6054, 102.0753**, and **14.0807, 12.0366, 54.4045** is the 20% darker color. If you saturate the color by 10%, you get **26.4690, 23.1022, 97.6719**, and if you desaturate by 10%, it is **33.9067, 33.4371, 99.2747**.

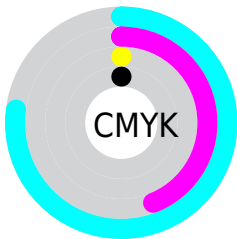
Distribution



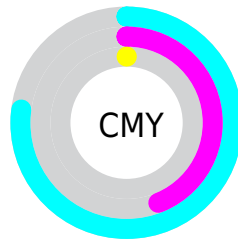
- Red (23%)
- Green (56%)
- Blue (100%)



- Red (23%)
- Yellow (46%)
- Blue (100%)



- Cyan (77%)
- Magenta (44%)
- Yellow (0%)
- Black (0%)



- Cyan (77%)
- Magenta (44%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.6761, 27.7947, 98.4086 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 29.6761, 27.7947, 98.4086 by changing the saturation by 10% instead.

■ 29.6761, 27.7947,
98.4086

■ 29.6761, 27.7947,
98.4086

292.3287,
291.4846, 576.2814

■ 19.7397, 18.1710,
74.3627

■ 58.5397, 56.1565,
161.0013

■ 12.3131, 11.0728,
54.5924

■ 78.1977, 75.6634,
200.3851

■ 7.0310, 6.1158,
38.6791

■ 101.8269, 99.2334,
245.7187

■ 3.5280, 2.9156,
26.2042

■ 129.7926,
127.2509, 297.4205

■ 1.4388, 1.0878,
16.7494

162.4604,
160.1004, 355.9092

■ 0.2836, 0.0000,
9.8959

200.1954,

■ 0.0000, 0.0000,

198.1663, 421.6032

5.2253

243.3631,
241.8329, 494.9211

■ 0.0000, 0.0000,
2.3190

■ 0.0000, 0.0000,
0.7418

■ 29.6761, 27.7947,
98.4086

■ 29.6761, 27.7947,
98.4086

■ 26.4690, 23.1022,
97.6719

■ 33.9067, 33.4371,
99.2747

■ 24.1514, 19.2738,
97.0550

■ 39.2627, 40.0966,
100.2778

■ 23.5480, 18.2160,
96.8827

■ 45.8356, 47.8351,
101.4250

■ 53.7057, 56.7078,
102.7228

■ 62.9462, 66.7657,
104.1772

■ 73.6243, 78.0560,
105.7936

■ 85.8026, 90.6235,
107.5775

■ 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.



21.7977, 27.7947, 95.4298



29.6761, 27.7947, 98.4086



38.1724, 27.7947, 77.4086

Triad

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



29.6761, 27.7947, 98.4086



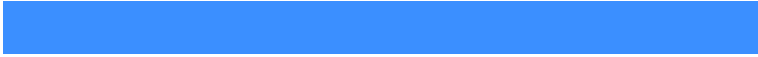
39.8686, 27.7947, 9.2526



14.2192, 27.7947, 18.2482

Complementary

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



29.6761, 27.7947, 98.4086



56.5956, 50.7076, 10.9445

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.



17.3644, 27.7947, 7.6546



29.6761, 27.7947, 98.4086



31.6490, 27.7947, 4.5979

Square

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



29.6761, 27.7947, 98.4086



44.8113, 27.7947, 22.1494



23.4076, 27.7947, 4.2184



13.9047, 27.7947, 40.1510

Rectangle

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



29.6761, 27.7947, 98.4086



42.6322, 27.7947, 56.8416



23.4076, 27.7947, 4.2184



14.9450, 27.7947, 13.6123

Sweetspot

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



29.6772, 27.7955, 98.4086



66.8903, 70.9712, 104.7811



44.8273, 75.3554, 50.2492



13.5251, 14.3463, 22.3062



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.



29.6772, 27.7955, 98.4086



25.1759, 21.0314, 97.3403



22.2934, 11.7305, 95.6970



17.6430, 18.6577, 22.9214



12.4455, 9.8006, 50.6703



1.3176, 1.1659, 4.9689

Inverse Universe

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



47.7628, 26.3728, 28.5600



44.9443, 23.1534, 20.1678



73.1453, 90.7016, 17.7919



18.3325, 18.1163, 20.3680



23.0701, 11.7173, 9.0196



2.2997, 1.1622, 1.1595

Previews

White Background



This preview shows how the XYZ color 29.6761, 27.7947, 98.4086 looks on a white background.

Color Contrast Check

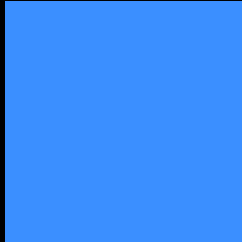
Large Text (above 18pt) WCAG AA ✓ Pass

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 29.6761, 27.7947, 98.4086 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

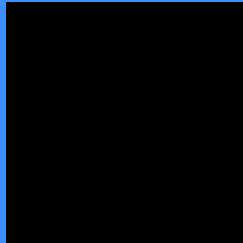
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

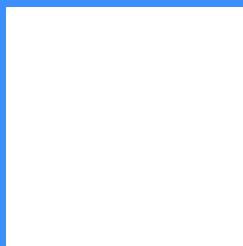
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 29.6761, 27.7947, 98.4086

Background



This preview shows how black text looks on a background with the XYZ color 29.6761, 27.7947, 98.4086.



This preview shows how white text looks on a background with the XYZ color 29.6761, 27.7947,

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

29.6761, 27.7947, 98.4086

Protanopia

30.9596, 27.6544, 94.9729

Deuteranopia

28.7423, 27.7816, 97.6134



Tritanopia

19.6538, 27.6986, 42.3407

Trichromacy



Original Color

29.6761, 27.7947, 98.4086

Protanomaly

30.1732, 27.4467, 95.8029

Deuteranomaly

28.9014, 27.6377, 97.5773

Tritanomaly

22.2431, 27.1589, 59.3282

Monochromacy



Original Color

29.6761, 27.7947, 98.4086

Achromatopsia

21.5731, 22.6966, 24.7166

Achromatomaly

22.3261, 23.4658, 44.4269

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.6761, 27.7947, 98.4086 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(59, 143, 255)` looks like.

```
.text, #text, p{  
    color:rgb(59, 143, 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(59, 143, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(59, 143, 255) }
```

Border

The CSS property to change the border of an element to XYZ 29.6761, 27.7947, 98.4086 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(59, 143, 255) }
```


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

```
.border{ border-color:rgb(59, 143, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(59, 143, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(59, 143, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(59, 143, 255);  
box-shadow:4px 4px 4px 4px rgb(59, 143,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 29.6761, 27.7947, 98.4086 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(59, 143, 255) }
```

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

```
.background{ background-color: rgb(59, 143,  
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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