

Converting Colors

XYZ(30.7988, 28.5421, 98.4937)

Have a look what the booklet for
XYZ(30.7988, 28.5421, 98.4937)
contains.

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Color

**XYZ(30.8473, 28.6224,
98.5066)**

Conversions

Conversions Part 1

Format	Color
Hex	4A90FF
RGB	74, 144, 255
RGB Percent	29%, 56%, 100%
CMY	0.7098, 0.4353, 0.0000
CMYK	0.71, 0.44, 0.00, 0.00
HSL	217°, 100%, 65%
HSV	217°, 71%, 100%
XYZ	30.8473, 28.6224, 98.5066
YIQ	135.7240, -77.3510, 19.6810

Conversions

Conversions Part 2

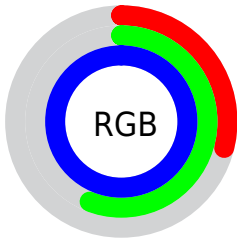
Format	Color
R _Y B	74, 124, 255
Decimal	4886783
CIE Lab	60.45, 14.10, -61.63
CIE LCh	60, 63.220, 282.883
Yxy	28.6224, 0.1953, 0.1812
Android (android.graphics.Color)	4283076863 (0xFF4A90FF)
YUV	135.7240, 58.8031, -54.1319
Hunter-Lab	53.4999, 9.2958, -71.7177

Details

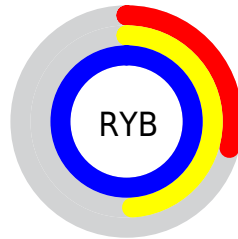
The XYZ color **30.8473, 28.6224, 98.5066** is a light color, and the websafe version is hex **6699FF**. The color can be described as light washed azure. A complement of this color would be **59.8276, 56.4569, 14.2247**, and the grayscale version is **23.1084, 24.3118, 26.4756**.

A 20% lighter version of the original color is **49.1716, 52.9033, 102.2275**, and **14.0807, 12.0366, 54.4045** is the 20% darker color. If you saturate the color by 10%, you get **27.0597, 23.3939, 97.6970**, and if you desaturate by 10%, it is **35.7602, 34.9186, 99.4629**.

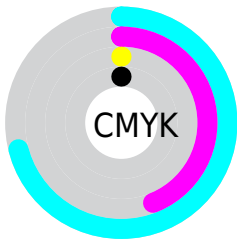
Distribution



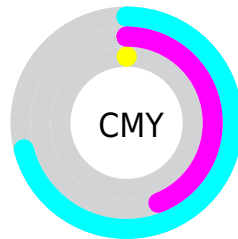
- Red (29%)
- Green (56%)
- Blue (100%)



- Red (29%)
- Yellow (49%)
- Blue (100%)



- Cyan (71%)
- Magenta (44%)
- Yellow (0%)
- Black (0%)



- Cyan (71%)
- Magenta (44%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 30.8473, 28.6224, 98.5066 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 30.8473, 28.6224, 98.5066 by changing the saturation by 10% instead.

■ 30.8473, 28.6224,
98.5066

■ 30.8473, 28.6224,
98.5066

297.6737,
295.4291, 576.5997

■ 20.6339, 18.7954,
74.4440

■ 60.3771, 57.4766,
161.1373

■ 12.9676, 11.5225,
54.6585

■ 80.4241, 77.2726,
200.5425

■ 7.4831, 6.4194,
38.7316

■ 104.4797,
101.1603, 245.8990

■ 3.8150, 3.1018,
26.2448

■ 132.9092,
129.5242, 297.6254

■ 1.5980, 1.1851,
16.7795

166.0780,
162.7486, 356.1401

■ 0.3911, 0.0495,
9.9171

204.3515,

■ 0.0000, 0.0000,

201.2180, 421.8617

5.2391

248.0949,
245.3167, 495.2087

■ 0.0000, 0.0000,
2.3271

■ 0.0000, 0.0000,
0.7463

■ 30.8473, 28.6224,
98.5066

■ 30.8473, 28.6224,
98.5066

■ 27.0597, 23.3939,
97.6970

■ 35.7602, 34.9186,
99.4629

■ 24.2779, 19.1509,
97.0247

■ 41.8935, 42.3496,
100.5740

■ 22.4750, 16.0700,
96.5250

■ 49.3350, 50.9786,
101.8474

■ 58.1628, 60.8628,
103.2899

■ 68.4486, 72.0553,
104.9082

■ 80.2588, 84.6059,
106.7082

■ 93.6556, 98.5613,
108.6958

■ 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.



22.8514, 28.6224, 96.6709



30.8473, 28.6224, 98.5066



39.3120, 28.6224, 76.9265

Triad

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



30.8473, 28.6224, 98.5066



40.3670, 28.6224, 9.5252



14.8162, 28.6224, 19.7415

Complementary

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



30.8473, 28.6224, 98.5066



59.8276, 56.4569, 14.2247

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.



17.8799, 28.6224, 8.5011



30.8473, 28.6224, 98.5066



32.0786, 28.6224, 4.9511

Square

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



30.8473, 28.6224, 98.5066



45.5018, 28.6224, 22.1978



23.8608, 28.6224, 4.7038



14.6174, 28.6224, 42.2705

Rectangle

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



30.8473, 28.6224, 98.5066



43.6574, 28.6224, 56.4003



23.8608, 28.6224, 4.7038



15.5122, 28.6224, 14.8674

Sweetspot

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



30.8484, 28.6232, 98.5067



68.4219, 72.0266, 104.9040



47.0911, 76.3788, 56.8450



14.0054, 14.7267, 22.3543



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.



30.8484, 28.6232, 98.5067



25.8266, 21.5728, 97.4105



24.9243, 14.4001, 96.0736



17.5790, 18.5295, 22.9000



11.8775, 8.6645, 50.4810



1.2586, 1.0478, 4.9492

Inverse Universe

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



48.7237, 28.1728, 29.2559



45.4583, 24.0691, 20.6846



71.8885, 90.0021, 20.0639



18.3001, 18.1034, 20.1976



22.7834, 11.6027, 7.5098



2.2699, 1.1503, 1.0026

Previews

White Background



This preview shows how the XYZ color 30.8473, 28.6224, 98.5066 looks on a white background.

Color Contrast Check

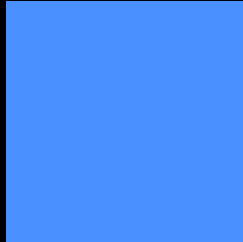
Large Text (above 18pt) WCAG AA ✓ Pass

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 30.8473, 28.6224, 98.5066 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

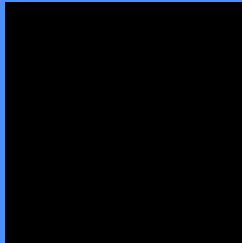
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

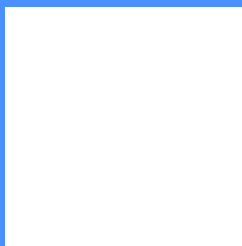
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 30.8473, 28.6224, 98.5066

Background



This preview shows how black text looks on a background with the XYZ color 30.8473, 28.6224, 98.5066.



This preview shows how white text looks on a background with the XYZ color 30.8473, 28.6224,

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

30.8473, 28.6224, 98.5066

Protanopia

31.8149, 28.5109, 95.9218

Deuteranopia

29.6884, 28.7270, 97.7461



Tritanopia

20.2877, 28.5069, 43.9683

Trichromacy



Original Color

30.8473, 28.6224, 98.5066

Protanomaly

31.3331, 28.4641, 96.7712

Deuteranomaly

29.9719, 28.6433, 97.7150

Tritanomaly

22.9528, 27.9875, 60.6923

Monochromacy



Original Color

30.8473, 28.6224, 98.5066

Achromatopsia

23.4014, 24.6201, 26.8113

Achromatomaly

24.1794, 25.2306, 46.2434

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.8473, 28.6224, 98.5066 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(74, 144, 255)` looks like.

```
.text, #text, p{  
    color:rgb(74, 144, 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(74, 144, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(74, 144, 255) }
```

Border

The CSS property to change the border of an element to XYZ 30.8473, 28.6224, 98.5066 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(74, 144, 255) }
```


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

```
.border{ border-color:rgb(74, 144, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(74, 144, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(74, 144, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(74, 144, 255);  
box-shadow:4px 4px 4px 4px rgb(74, 144,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 30.8473, 28.6224, 98.5066 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(74, 144, 255) }
```

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

```
.background{ background-color: rgb(74, 144,  
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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