

Converting Colors

XYZ(28.9007, 28.1940, 78.4141)

Have a look what the booklet for
XYZ(28.9007, 28.1940, 78.4141)
contains.

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Color

**XYZ(29.0244, 28.3437,
78.8040)**

Conversions

Conversions Part 1

Format	Color
Hex	5E91E6
RGB	94, 145, 230
RGB Percent	37%, 57%, 90%
CMY	0.6313, 0.4314, 0.0980
CMYK	0.59, 0.37, 0.00, 0.10
HSL	218°, 73%, 64%
HSV	218°, 59%, 90%
XYZ	29.0244, 28.3437, 78.8040
YIQ	139.4410, -57.6810, 15.6230

Conversions

Conversions Part 2

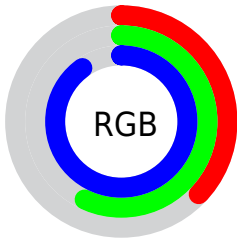
Format	Color
R _Y B	94, 131, 230
Decimal	6197734
CIE Lab	60.20, 8.26, -48.19
CIE LCh	60, 48.894, 279.728
Yxy	28.3437, 0.2131, 0.2081
Android (android.graphics.Color)	4284387814 (0xFF5E91E6)
YUV	139.4410, 44.6456, -39.8518
Hunter-Lab	53.2388, 4.1456, -50.4938

Details

The XYZ color **29.0244, 28.3437, 78.8040** is a light color, and the websafe version is hex **6699FF**. The color can be described as light muted azure. A complement of this color would be **50.7752, 49.8737, 17.5416**, and the grayscale version is **24.5608, 25.8398, 28.1396**.

A 20% lighter version of the original color is **51.7998, 54.9369, 102.4815**, and **11.9459, 11.3506, 41.6057** is the 20% darker color. If you saturate the color by 10%, you get **24.9483, 23.1855, 78.0238**, and if you desaturate by 10%, it is **34.0832, 34.4219, 79.7112**.

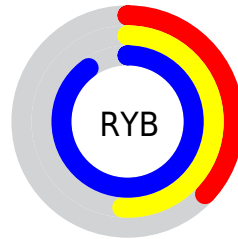
Distribution



Red (37%)

Green (57%)

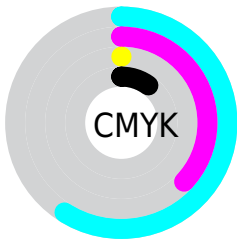
Blue (90%)



Red (37%)

Yellow (51%)

Blue (90%)

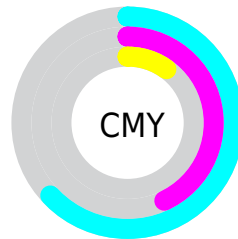


Cyan (59%)

Magenta (37%)

Yellow (0%)

Black (10%)



Cyan (63%)

Magenta (43%)

Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.0244, 28.3437, 78.8040 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 29.0244, 28.3437, 78.8040 by changing the saturation by 10% instead.

■ 29.0244, 28.3437,
78.8040

■ 29.0244, 28.3437,
78.8040

289.3222,
294.1056, 510.4931

■ 19.2437, 18.5849,
58.2143

■ 57.5131, 57.0327,
133.4791

■ 11.9515, 11.3707,
41.5651

■ 76.9518, 76.7317,
168.4015

■ 6.7826, 6.3168,
28.4379

■ 100.3406,
100.5129, 208.9386

■ 3.3717, 3.0386,
18.4141

■ 128.0447,
128.7607, 255.5089

■ 1.3532, 1.1519,
11.0752

160.4296,
161.8595, 308.5310

■ 0.2225, 0.0219,
6.0026

197.8605,

■ 0.0000, 0.0000,

200.1936, 368.4234

2.7779

240.7030,
244.1475, 435.6046

■ 0.0000, 0.0000,
0.9824

■ 0.0000, 0.0000,
0.0000

■ 29.0244, 28.3437,
78.8040

■ 29.0244, 28.3437,
78.8040

■ 24.9483, 23.1855,
78.0238

■ 34.0832, 34.4219,
79.7112

■ 21.7766, 18.8905,
77.3619

■ 40.1877, 41.4660,
80.7491

■ 19.4233, 15.3983,
76.8119

■ 47.3993, 49.5218,
81.9239

■ 17.7570, 12.6238,
76.3642

■ 55.7733, 58.6310,
83.2408

■ 17.6305, 12.4082,
76.3292

■ 65.3612, 68.8330,
84.7046

■ 76.2112, 80.1647,
86.3200

■ 88.3664, 92.6599,
88.0912

■ 91.2830, 98.4932,
89.0634

Harmonies

Analogous

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



22.9826, 28.3437, 75.7819



29.0244, 28.3437, 78.8040



35.3845, 28.3437, 65.6708

Triad

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



29.0244, 28.3437, 78.8040



37.2929, 28.3437, 13.6616



17.1564, 28.3437, 20.3962

Complementary

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



29.0244, 28.3437, 78.8040



50.7752, 49.8737, 17.5416

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.



19.9585, 28.3437, 11.2226



29.0244, 28.3437, 78.8040



31.3271, 28.3437, 8.5099

Square

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



29.0244, 28.3437, 78.8040



40.6233, 28.3437, 25.3976



24.9576, 28.3437, 7.8344



16.7363, 28.3437, 37.0576

Rectangle

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



29.0244, 28.3437, 78.8040



38.7239, 28.3437, 51.6940



24.9576, 28.3437, 7.8344



17.8277, 28.3437, 16.5466

Sweetspot

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



29.0255, 28.3447, 78.8047



71.6540, 75.3523, 105.3756



40.9366, 62.1832, 51.8959



14.6308, 15.3685, 22.4452



0.0000, 0.0000, 0.0000



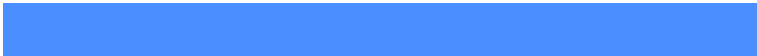
20.3446, 21.4041, 23.3091

Same Dimension

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



29.0255, 28.3447, 78.8047



30.5195, 27.9725, 98.3984



24.7009, 17.0266, 76.8480



14.0234, 14.7682, 18.2558



10.0895, 7.2410, 43.2491



0.8325, 0.7090, 3.2249

Inverse Universe

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



41.7476, 26.8741, 29.7758



48.5560, 28.0991, 28.3930



58.0886, 71.7187, 21.3727



14.5994, 14.4569, 16.0909



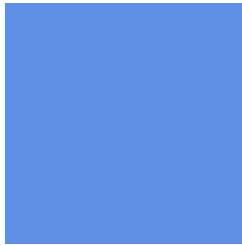
19.4862, 9.9287, 6.1893



1.4838, 0.7512, 0.6885

Previews

White Background



This preview shows how the XYZ color 29.0244, 28.3437, 78.8040 looks on a white background.

Color Contrast Check

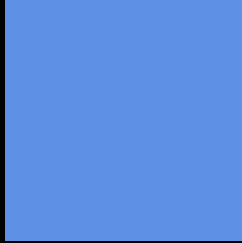
Large Text (above 18pt) WCAG AA ✓ Pass

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 29.0244, 28.3437, 78.8040 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

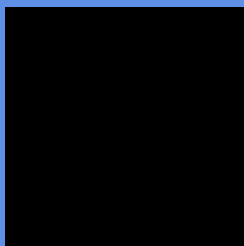
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

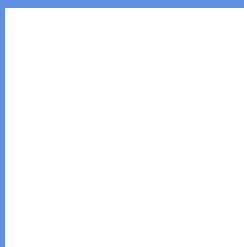
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 29.0244, 28.3437, 78.8040

Background



This preview shows how black text looks on a background with the XYZ color 29.0244, 28.3437, 78.8040.



This preview shows how white text looks on a background with the XYZ color 29.0244, 28.3437,

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

29.0244, 28.3437, 78.8040

Protanopia

30.3482, 28.4028, 76.5558

Deuteranopia

29.2322, 28.4508, 78.8138



Tritanopia

21.6966, 28.2452, 42.3385

Trichromacy



Original Color

29.0244, 28.3437, 78.8040

Protanomaly

29.7699, 28.3105, 77.2942

Deuteranomaly

29.1276, 28.3969, 78.8089

Tritanomaly

23.9662, 28.1660, 54.0426

Monochromacy



Original Color

29.0244, 28.3437, 78.8040

Achromatopsia

24.5403, 25.8183, 28.1161

Achromatomaly

25.1396, 26.2393, 42.7694

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.0244, 28.3437, 78.8040 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(94, 145, 230)` looks like.

```
.text, #text, p{  
    color:rgb(94, 145, 230)  
}
```

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(94, 145, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(94, 145, 230) }
```

Border

The CSS property to change the border of an element to XYZ 29.0244, 28.3437, 78.8040 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(94, 145, 230) }
```


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

```
.border{ border-color:rgb(94, 145, 230) }
```

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

Here you see how a box with a 4 pixel rgb(94, 145, 230) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(94, 145, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(94, 145, 230);  
box-shadow:4px 4px 4px 4px rgb(94, 145,  
230) }
```

Background

The CSS property to change the background color of an element to XYZ 29.0244, 28.3437, 78.8040 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(94, 145, 230) }
```

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

```
.background{ background-color: rgb(94, 145,  
230) }
```

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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