

Converting Colors

XYZ(29.6737, 25.9984, 78.3180)

Have a look what the booklet for
XYZ(29.6737, 25.9984, 78.3180)
contains.

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Color

**XYZ(29.7407, 26.1331,
78.3396)**

Conversions

Conversions Part 1

Format	Color
Hex	7385E6
RGB	115, 133, 230
RGB Percent	45%, 52%, 90%
CMY	0.5490, 0.4784, 0.0980
CMYK	0.50, 0.42, 0.00, 0.10
HSL	231°, 70%, 68%
HSV	231°, 50%, 90%
XYZ	29.7407, 26.1331, 78.3396
YIQ	138.6760, -41.8650, 26.3510

Conversions

Conversions Part 2

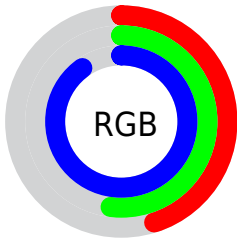
Format	Color
R _Y B	115, 131, 230
Decimal	7570918
CIE Lab	58.16, 19.78, -51.35
CIE LCh	58, 55.024, 291.068
Yxy	26.1331, 0.2216, 0.1947
Android (android.graphics.Color)	4285760998 (0xFF7385E6)
YUV	138.6760, 45.0227, -20.7639
Hunter-Lab	51.1205, 14.3860, -55.0745

Details

The XYZ color **29.7407, 26.1331, 78.3396** is a light color, and the websafe version is hex **6699FF**. A complement of this color would be **59.2727, 65.1500, 25.6725**, and the grayscale version is **24.2613, 25.5248, 27.7965**.

A 20% lighter version of the original color is **52.8425, 51.2220, 101.7095**, and **12.3859, 10.2089, 41.3621** is the 20% darker color. If you saturate the color by 10%, you get **24.6696, 19.9337, 77.4108**, and if you desaturate by 10%, it is **36.0588, 33.7043, 79.4685**.

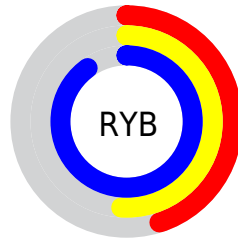
Distribution



Red (45%)

Green (52%)

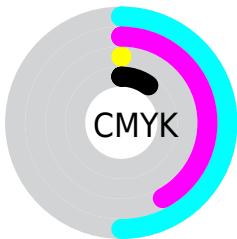
Blue (90%)



Red (45%)

Yellow (51%)

Blue (90%)

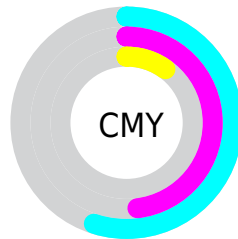


Cyan (50%)

Magenta (42%)

Yellow (0%)

Black (10%)



Cyan (55%)

Magenta (48%)

Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.7407, 26.1331, 78.3396 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 29.7407, 26.1331, 78.3396 by changing the saturation by 10% instead.

■ 29.7407, 26.1331,
78.3396

■ 29.7407, 26.1331,
78.3396

292.6255,
283.4348, 508.8778

■ 19.7889, 16.9232,
57.8349

■ 58.6413, 53.4896,
132.8190

■ 12.3491, 10.1798,
41.2621

■ 78.3209, 72.4050,
167.6307

■ 7.0558, 5.5183,
28.2027

■ 101.9738, 95.3244,
208.0485

■ 3.5436, 2.5545,
18.2381

129.9654,
122.6322, 254.4910

■ 1.4474, 0.9038,
10.9499

162.6610,
154.7127, 307.3766

■ 0.2896, 0.0000,
5.9194

200.4259,

■ 0.0000, 0.0000,

191.9504, 367.1239

2.7281

243.6257,
234.7296, 434.1515

■ 0.0000, 0.0000,
0.9575

■ 0.0000, 0.0000,
0.0000

■ 29.7407, 26.1331,
78.3396

■ 29.7407, 26.1331,
78.3396

■ 24.6696, 19.9337,
77.4108

■ 36.0588, 33.7043,
79.4685

■ 20.7582, 15.0198,
76.6685

■ 43.6971, 42.7210,
80.8063

■ 17.9125, 11.2993,
76.1003

■ 52.7268, 53.2547,
82.3636

■ 16.0217, 8.6659,
75.6917

■ 63.2128, 65.3715,
84.1497

■ 14.9139, 6.9749,
75.4237

■ 75.2161, 79.1335,
86.1734

■ 14.9138, 6.9747,
75.4236

■ 88.7943, 94.5992,
88.4430

■ 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.



22.9001, 26.1331, 82.3548



29.7407, 26.1331, 78.3396



36.2118, 26.1331, 58.3424

Triad

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



29.7407, 26.1331, 78.3396



33.8020, 26.1331, 8.3776



14.2004, 26.1331, 23.1238

Complementary

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



29.7407, 26.1331, 78.3396



59.2727, 65.1500, 25.6725

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.



16.1375, 26.1331, 11.0506



29.7407, 26.1331, 78.3396



26.8838, 26.1331, 5.4066

Square

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



29.7407, 26.1331, 78.3396



38.8331, 26.1331, 17.1869



20.5074, 26.1331, 6.0985



14.6893, 26.1331, 43.8075

Rectangle

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



29.7407, 26.1331, 78.3396



39.0538, 26.1331, 42.1138



20.5074, 26.1331, 6.0985



14.5744, 26.1331, 18.1230

Sweetspot

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



29.7417, 26.1340, 78.3403



72.9082, 74.5679, 105.1581



47.1051, 64.9341, 71.5703



15.0139, 15.2765, 22.4073



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.



29.7417, 26.1340, 78.3403



30.9832, 24.9523, 97.7910



33.6150, 24.7810, 77.8750



13.7641, 14.2495, 18.1693



8.4999, 4.0619, 42.7192



0.6842, 0.4123, 3.1755

Inverse Universe

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



42.9985, 30.7793, 25.8657



49.7537, 32.2677, 23.3258



53.0463, 68.9953, 26.7428



14.4685, 14.4046, 15.4015



18.6839, 9.6078, 1.9643



1.4090, 0.7213, 0.2942

Previews

White Background



This preview shows how the XYZ color 29.7407, 26.1331, 78.3396 looks on a white background.

Color Contrast Check

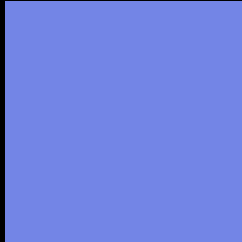
Large Text (above 18pt) WCAG AA ✓ Pass

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 29.7407, 26.1331, 78.3396 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

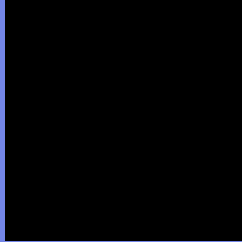
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 29.7407, 26.1331, 78.3396

Background



This preview shows how black text looks on a background with the XYZ color 29.7407, 26.1331, 78.3396.



This preview shows how white text looks on a background with the XYZ color 29.7407, 26.1331,

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

29.7407, 26.1331, 78.3396

Protanopia

28.6577, 26.1442, 80.6267

Deuteranopia

26.9490, 26.1966, 77.0349



Tritanopia

21.4493, 26.0450, 37.1544

Trichromacy



Original Color

29.7407, 26.1331, 78.3396

Protanomaly

29.0552, 26.1574, 79.8614

Deuteranomaly

27.8078, 25.9814, 77.6780

Tritanomaly

23.9462, 25.9144, 49.6388

Monochromacy



Original Color

29.7407, 26.1331, 78.3396

Achromatopsia

24.5403, 25.8183, 28.1161

Achromatomaly

25.5980, 25.6157, 42.6249

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.7407, 26.1331, 78.3396 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(115, 133, 230)` looks like.

```
.text, #text, p{  
    color:rgb(115, 133, 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(115, 133, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(115, 133, 230) }
```

Border

The CSS property to change the border of an element to XYZ 29.7407, 26.1331, 78.3396 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(115, 133, 230) }
```


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

```
.border{ border-color:rgb(115, 133, 230) }
```

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

Here you see how a box with a 4 pixel `rgb(115, 133, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(115, 133, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(115, 133, 230);  
box-shadow:4px 4px 4px 4px rgb(115, 133,  
230) }
```

Background

The CSS property to change the background color of an element to XYZ 29.7407, 26.1331, 78.3396 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(115, 133, 230) }
```

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

```
.background{ background-color: rgb(115,  
133, 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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