

Converting Colors

XYZ(27.6535, 26.3786, 78.1294)

Have a look what the booklet for
XYZ(27.6535, 26.3786, 78.1294)
contains.

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Color

**XYZ(27.7320, 26.3521,
78.4877)**

Conversions

Conversions Part 1

Format	Color
Hex	5A8BE6
RGB	90, 139, 230
RGB Percent	35%, 55%, 90%
CMY	0.6470, 0.4549, 0.0980
CMYK	0.61, 0.40, 0.00, 0.10
HSL	219°, 74%, 63%
HSV	219°, 61%, 90%
XYZ	27.7320, 26.3521, 78.4877
YIQ	134.7230, -58.4150, 17.9130

Conversions

Conversions Part 2

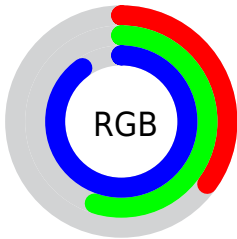
Format	Color
RYB	90, 126, 230
Decimal	5934054
CIELab	58.37, 11.07, -51.10
CIELCh	58, 52.287, 282.221
Yxy	26.3521, 0.2092, 0.1988
Android (android.graphics.Color)	4284124134 (0xFF5A8BE6)
YUV	134.7230, 46.9716, -39.2221
Hunter-Lab	51.3343, 6.5949, -54.7176

Details

The XYZ color **27.7320, 26.3521, 78.4877** 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 **51.0043, 50.6117, 16.7553**, and the grayscale version is **22.7750, 23.9610, 26.0936**.

A 20% lighter version of the original color is **49.4773, 51.4033, 101.9218**, and **11.2961, 10.3683, 41.4503** is the 20% darker color. If you saturate the color by 10%, you get **23.8123, 21.3349, 77.7264**, and if you desaturate by 10%, it is **32.6418, 32.3199, 79.3814**.

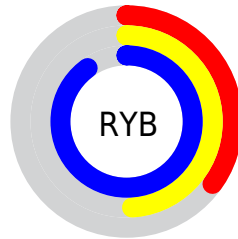
Distribution



Red (35%)

Green (55%)

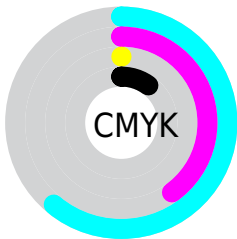
Blue (90%)



Red (35%)

Yellow (49%)

Blue (90%)

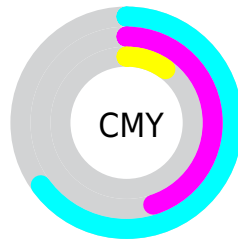


Cyan (61%)

Magenta (40%)

Yellow (0%)

Black (10%)



Cyan (65%)

Magenta (45%)

Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 27.7320, 26.3521, 78.4877 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 27.7320, 26.3521, 78.4877 by changing the saturation by 10% instead.

■ 27.7320, 26.3521,
78.4877

■ 27.7320, 26.3521,
78.4877

283.2874,
284.5063, 509.3933

■ 18.2632, 17.0872,
57.9559

■ 55.4679, 53.8424,
133.0295

■ 11.2399, 10.2967,
41.3587

■ 74.4657, 72.8367,
167.8766

■ 6.2969, 5.5961,
28.2777

■ 97.3705, 95.8428,
208.3325

■ 3.0688, 2.6011,
18.2942

■ 124.5477,
123.2453, 254.8157

■ 1.1903, 0.9272,
10.9898

156.3627,
155.4285, 307.7449

■ 0.0987, 0.0000,
5.9459

193.1807,

■ 0.0000, 0.0000,

192.7768, 367.5385

2.7439

235.3672,
235.6746, 434.6151

■ 0.0000, 0.0000,
0.9654

■ 0.0000, 0.0000,
0.0000

■ 27.7320, 26.3521,
78.4877

■ 27.7320, 26.3521,
78.4877

■ 23.8123, 21.3349,
77.7264

■ 32.6418, 32.3199,
79.3814

■ 20.8014, 17.2076,
77.0885

■ 38.6075, 39.2879,
80.4119

■ 18.6085, 13.9048,
76.5666

■ 45.6927, 47.3050,
81.5860

■ 17.1881, 11.5233,
76.1817

■ 53.9546, 56.4160,
82.9091

■ 63.4465, 66.6625,
84.3866

■ 74.2182, 78.0841,
86.0234

■ 86.3167, 90.7183,
87.8244

■ 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.



21.4878, 26.3521, 76.7773



27.7320, 26.3521, 78.4877



34.2189, 26.3521, 63.3278

Triad

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



27.7320, 26.3521, 78.4877



35.2640, 26.3521, 10.9783



15.0947, 26.3521, 19.2541

Complementary

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



27.7320, 26.3521, 78.4877



51.0043, 50.6117, 16.7553

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.



17.6804, 26.3521, 9.7581



27.7320, 26.3521, 78.4877



28.9788, 26.3521, 6.5671

Square

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



27.7320, 26.3521, 78.4877



39.0366, 26.3521, 21.8854



22.5409, 26.3521, 6.2430



14.8763, 26.3521, 36.7833

Rectangle

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



27.7320, 26.3521, 78.4877



37.5310, 26.3521, 48.3585



22.5409, 26.3521, 6.2430



15.6926, 26.3521, 15.2457

Sweetspot

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



27.7331, 26.3530, 78.4884



71.3423, 74.7290, 105.2717



40.8550, 62.1044, 53.5518



14.5555, 15.2177, 22.4201



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.



27.7331, 26.3530, 78.4884



29.0184, 25.5294, 98.0060



24.4962, 16.4067, 76.7392



13.9933, 14.7081, 18.2457



9.8345, 6.7311, 43.1641



0.8114, 0.6667, 3.2179

Inverse Universe

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



40.9505, 26.0008, 27.2871



47.6618, 27.2190, 25.2953



56.4378, 70.8879, 20.3826



14.5842, 14.4509, 16.0109



19.3575, 9.8772, 5.5117



1.4732, 0.7470, 0.6323

Previews

White Background



This preview shows how the XYZ color 27.7320, 26.3521, 78.4877 looks on a white background.

Color Contrast Check

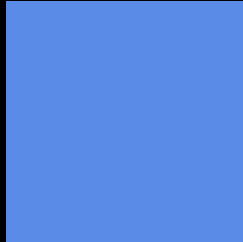
Large Text (above 18pt) WCAG AA ✓ Pass

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 27.7320, 26.3521, 78.4877 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

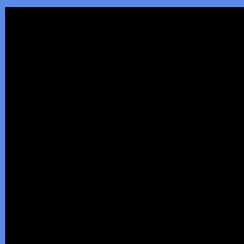
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

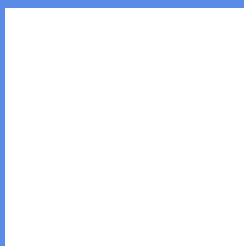
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 27.7320, 26.3521, 78.4877

Background



This preview shows how black text looks on a background with the XYZ color 27.7320, 26.3521, 78.4877.



This preview shows how white text looks on a background with the XYZ color 27.7320, 26.3521,

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

27.7320, 26.3521, 78.4877

Protanopia

28.5428, 26.3763, 76.9856

Deuteranopia

27.1407, 26.2632, 78.5017



Tritanopia

20.0462, 26.4597, 39.6480

Trichromacy



Original Color

27.7320, 26.3521, 78.4877

Protanomaly

28.2683, 26.4308, 77.7405

Deuteranomaly

27.4073, 26.4006, 78.5142

Tritanomaly

22.3737, 26.1935, 52.0207

Monochromacy



Original Color

27.7320, 26.3521, 78.4877

Achromatopsia

23.0288, 24.2281, 26.3844

Achromatomaly

23.6676, 24.4325, 41.4987

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.7320, 26.3521, 78.4877 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(90, 139, 230)` looks like.

```
.text, #text, p{  
    color:rgb(90, 139, 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(90, 139, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(90, 139, 230) }
```

Border

The CSS property to change the border of an element to XYZ 27.7320, 26.3521, 78.4877 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(90, 139, 230) }
```


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

```
.border{ border-color:rgb(90, 139, 230) }
```

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

Here you see how a box with a 4 pixel `rgb(90, 139, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(90, 139, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(90, 139, 230);  
box-shadow:4px 4px 4px 4px rgb(90, 139,  
230) }
```

Background

The CSS property to change the background color of an element to XYZ 27.7320, 26.3521, 78.4877 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(90, 139, 230) }
```

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

```
.background{ background-color: rgb(90, 139,  
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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