

Converting Colors

XYZ(27.6611, 24.6181, 77.7892)

Have a look what the booklet for
XYZ(27.6611, 24.6181, 77.7892)
contains.

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Color

**XYZ(27.7661, 24.7125,
78.1695)**

Conversions

Conversions Part 1

Format	Color
Hex	6583E6
RGB	101, 131, 230
RGB Percent	40%, 51%, 90%
CMY	0.6039, 0.4863, 0.0980
CMYK	0.56, 0.43, 0.00, 0.10
HSL	226°, 72%, 65%
HSV	226°, 56%, 90%
XYZ	27.7661, 24.7125, 78.1695
YIQ	133.3160, -49.6590, 24.4290

Conversions

Conversions Part 2

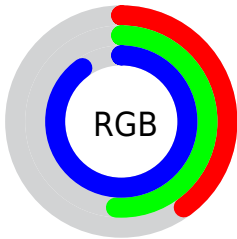
Format	Color
RYB	101, 125, 230
Decimal	6652902
CIELab	56.79, 18.00, -53.58
CIELCh	57, 56.518, 288.566
Yxy	24.7125, 0.2125, 0.1892
Android (android.graphics.Color)	4284842982 (0xFF6583E6)
YUV	133.3160, 47.6652, -28.3411
Hunter-Lab	49.7117, 12.7045, -58.4329

Details

The XYZ color **27.7661, 24.7125, 78.1695** is a light color, and the websafe version is hex **6699FF**. A complement of this color would be **55.6383, 59.0741, 20.7836**, and the grayscale version is **22.2551, 23.4141, 25.4980**.

A 20% lighter version of the original color is **49.6877, 48.9746, 101.4420**, and **11.2529, 9.3977, 41.2652** is the 20% darker color. If you saturate the color by 10%, you get **23.3697, 19.2216, 77.3419**, and if you desaturate by 10%, it is **33.2889, 31.3842, 79.1667**.

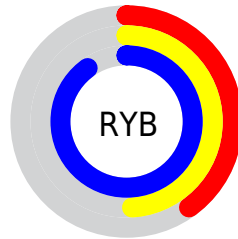
Distribution



Red (40%)

Green (51%)

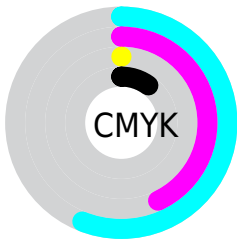
Blue (90%)



Red (40%)

Yellow (49%)

Blue (90%)

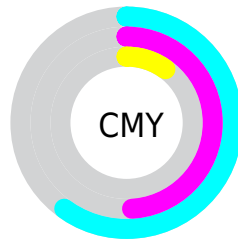


Cyan (56%)

Magenta (43%)

Yellow (0%)

Black (10%)



Cyan (60%)

Magenta (49%)

Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 27.7661, 24.7125, 78.1695 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 27.7661, 24.7125, 78.1695 by changing the saturation by 10% instead.

■ 27.7661, 24.7125,
78.1695

■ 27.7661, 24.7125,
78.1695

283.4480,
276.4031, 508.2854

■ 18.2890, 15.8630,
57.6960

■ 55.5221, 51.1904,
132.5771

■ 11.2586, 9.4273,
41.1512

■ 74.5316, 69.5876,
167.3482

■ 6.3096, 5.0209,
28.1166

■ 97.4493, 91.9362,
207.7222

■ 3.0767, 2.2595,
18.1738

■ 124.6405,
118.6205, 254.1178

■ 1.1944, 0.7522,
10.9041

156.4707,
150.0250, 306.9533

■ 0.1020, 0.0000,
5.8890

193.3050,

■ 0.0000, 0.0000,

186.5340, 366.6474

2.7100

235.5090,
228.5319, 433.6186

■ 0.0000, 0.0000,
0.9485

■ 0.0000, 0.0000,
0.0000

■ 27.7661, 24.7125,
78.1695

■ 27.7661, 24.7125,
78.1695

■ 23.3697, 19.2216,
77.3419

■ 33.2889, 31.3842,
79.1667

■ 20.0143, 14.8363,
76.6723

■ 40.0087, 39.3005,
80.3405

■ 17.6065, 11.4757,
76.1505

■ 47.9937, 48.5232,
81.6999

■ 16.0323, 9.0445,
75.7642

■ 57.3061, 59.1094,
83.2524

■ 15.5782, 8.3036,
75.6452

■ 68.0037, 71.1125,
85.0054

■ 80.1410, 84.5831,
86.9658

■ 91.1443, 98.2158,
89.0172

■ 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.



21.0612, 24.7125, 80.5769



27.7661, 24.7125, 78.1695



34.3474, 24.7125, 58.8433

Triad

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



27.7661, 24.7125, 78.1695



32.9288, 24.7125, 7.8201



13.1149, 24.7125, 20.3259

Complementary

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



27.7661, 24.7125, 78.1695



55.6383, 59.0741, 20.7836

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.



15.1997, 24.7125, 9.3088



27.7661, 24.7125, 78.1695



26.0955, 24.7125, 4.6906

Square

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



27.7661, 24.7125, 78.1695



37.6920, 24.7125, 16.9137



19.6745, 24.7125, 5.0654



13.3940, 24.7125, 40.2208

Rectangle

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



27.7661, 24.7125, 78.1695



37.3950, 24.7125, 42.4968



19.6745, 24.7125, 5.0654



13.5439, 24.7125, 15.6903

Sweetspot

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



27.7671, 24.7133, 78.1701



71.1502, 73.2644, 104.9992



44.0785, 63.5267, 64.5223



14.6981, 15.0804, 22.3861



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.



27.7671, 24.7133, 78.1701



28.9119, 23.4964, 97.6192



28.9943, 20.2064, 77.2355



13.8534, 14.4283, 18.1991



8.8968, 4.8556, 42.8515



0.7273, 0.4986, 3.1899

Inverse Universe

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



41.3845, 27.7705, 24.6523



48.0523, 29.0761, 22.1078



53.3080, 69.2163, 22.8641



14.5136, 14.4226, 15.6391



18.8842, 9.6879, 3.0191



1.4307, 0.7300, 0.4088

Previews

White Background



This preview shows how the XYZ color 27.7661, 24.7125, 78.1695 looks on a white background.

Color Contrast Check

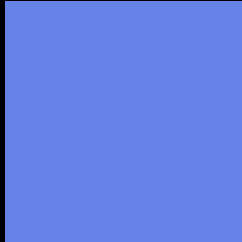
Large Text (above 18pt) WCAG AA ✓ Pass

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 27.7661, 24.7125, 78.1695 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

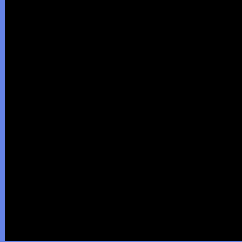
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 27.7661, 24.7125, 78.1695

Background



This preview shows how black text looks on a background with the XYZ color 27.7661, 24.7125, 78.1695.



This preview shows how white text looks on a background with the XYZ color 27.7661, 24.7125,

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

27.7661, 24.7125, 78.1695

Protanopia

27.1893, 24.5992, 78.9164

Deuteranopia

25.6871, 24.8881, 77.5788



Tritanopia

19.5158, 24.8265, 36.5643

Trichromacy



Original Color

27.7661, 24.7125, 78.1695

Protanomaly

27.4989, 24.7588, 78.9309

Deuteranomaly

26.2865, 24.7789, 77.5261

Tritanomaly

21.9380, 24.4374, 49.4596

Monochromacy



Original Color

27.7661, 24.7125, 78.1695

Achromatopsia

22.2940, 23.4551, 25.5426

Achromatomaly

23.2043, 23.3946, 40.3384

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.7661, 24.7125, 78.1695 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(101, 131, 230)` looks like.

```
.text, #text, p{  
    color:rgb(101, 131, 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(101, 131, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(101, 131, 230) }
```

Border

The CSS property to change the border of an element to XYZ 27.7661, 24.7125, 78.1695 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(101, 131, 230) }
```


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

```
.border{ border-color:rgb(101, 131, 230) }
```

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

Here you see how a box with a 4 pixel `rgb(101, 131, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(101, 131, 230); -webkit-box-shadow:4px 4px 4px 4px rgb(101, 131, 230); box-shadow:4px 4px 4px 4px rgb(101, 131, 230) }
```

Background

The CSS property to change the background color of an element to XYZ 27.7661, 24.7125, 78.1695 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(101, 131, 230) }
```

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

```
.background{ background-color: rgb(101,  
131, 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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