

Converting Colors

XYZ(22.9507, 21.4634, 77.0613)

Have a look what the booklet for
XYZ(22.9507, 21.4634, 77.0613)
contains.

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Color

**XYZ(22.9512, 21.4643,
77.0621)**

Conversions

Conversions Part 1

Format	Color
Hex	307FE5
RGB	48, 127, 229
RGB Percent	19%, 50%, 90%
CMY	0.8117, 0.5020, 0.1020
CMYK	0.79, 0.45, 0.00, 0.10
HSL	214°, 78%, 54%
HSV	214°, 79%, 90%
XYZ	22.9512, 21.4643, 77.0621
YIQ	115.0070, -79.8260, 14.9740

Conversions

Conversions Part 2

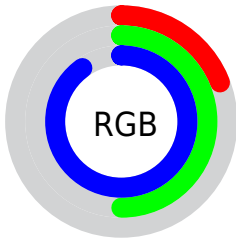
Format	Color
R _Y B	48, 103, 229
Decimal	3178469
CIE Lab	53.45, 11.99, -58.49
CIE LCh	53, 59.701, 281.583
Yxy	21.4643, 0.1889, 0.1767
Android (android.graphics.Color)	4281368549 (0xFF307FE5)
YUV	115.0070, 56.1985, -58.7651
Hunter-Lab	46.3296, 7.3503, -66.1891

Details

The XYZ color **22.9512, 21.4643, 77.0621** is a dark color, and the websafe version is hex **0066CC**. The color can be described as middle washed azure. A complement of this color would be **43.7561, 38.6896, 7.9597**, and the grayscale version is **16.1520, 16.9932, 18.5056**.

A 20% lighter version of the original color is **42.0553, 43.5251, 100.7924**, and **10.3388, 8.6091, 40.6520** is the 20% darker color. If you saturate the color by 10%, you get **20.5747, 17.9214, 76.5040**, and if you desaturate by 10%, it is **26.0999, 25.7226, 77.7186**.

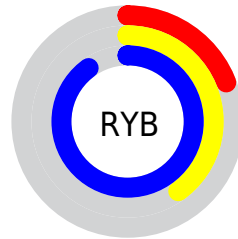
Distribution



Red (19%)

Green (50%)

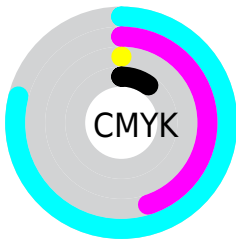
Blue (90%)



Red (19%)

Yellow (40%)

Blue (90%)

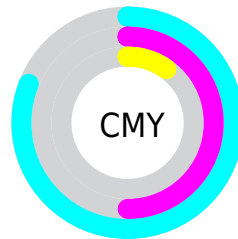


Cyan (79%)

Magenta (45%)

Yellow (0%)

Black (10%)



Cyan (81%)

Magenta (50%)

Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.9512, 21.4643, 77.0621 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 22.9512, 21.4643, 77.0621 by changing the saturation by 10% instead.

■ 22.9512, 21.4643,
77.0621

■ 22.9512, 21.4643,
77.0621

260.0143,
259.7358, 504.4190

■ 14.6780, 13.4638,
56.7920

■ 47.7804, 45.8590,
131.0010

■ 8.6785, 7.7487,
40.4300

■ 65.0671, 63.0220,
165.5068

■ 4.5875, 3.9346,
27.5576

■ 86.0891, 84.0079,
205.5949

■ 2.0396, 1.6370,
17.7563

■ 111.2116,
109.2012, 251.6838

■ 0.6561, 0.3824,
10.6076

■ 140.8000,
138.9863, 304.1922

■ 0.0000, 0.0000,
5.6928

175.2197,

■ 0.0000, 0.0000,

173.7474, 363.5385

2.5934

214.8360,
213.8692, 430.1412

■ 0.0000, 0.0000,
0.8891

■ 0.0000, 0.0000,
0.0000

■ 22.9512, 21.4643,
77.0621

■ 22.9512, 21.4643,
77.0621

■ 20.5747, 17.9214,
76.5040

■ 26.0999, 25.7226,
77.7186

■ 18.8427, 15.0155,
76.0344

■ 30.1009, 30.7485,
78.4778

■ 18.6943, 14.7599,
75.9929

■ 35.0263, 36.5900,
79.3457

■ 40.9388, 43.2896,
80.3273

■ 47.8954, 50.8866,
81.4270

■ 55.9483, 59.4174,
82.6492

■ 65.1461, 68.9161,
83.9978

■ 75.5344, 79.4150,
85.4768

■ 87.1562, 90.9447,
87.0897

Harmonies

Analogous

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



16.7829, 21.4643, 74.6972



22.9512, 21.4643, 77.0621



29.6214, 21.4643, 60.4803

Triad

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



22.9512, 21.4643, 77.0621



30.9604, 21.4643, 7.0011



10.8738, 21.4643, 13.9754

Complementary

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



22.9512, 21.4643, 77.0621



43.7561, 38.6896, 7.9597

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.



13.3253, 21.4643, 5.7629



22.9512, 21.4643, 77.0621



24.5054, 21.4643, 3.4202

Square

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



22.9512, 21.4643, 77.0621



34.8461, 21.4643, 17.0317



18.0474, 21.4643, 3.1293



10.6281, 21.4643, 31.1153

Rectangle

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



22.9512, 21.4643, 77.0621



33.1287, 21.4643, 44.2649



18.0474, 21.4643, 3.1293



11.4392, 21.4643, 10.3707

Sweetspot

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



22.9521, 21.4649, 77.0627



65.9737, 70.1167, 104.6644



34.5496, 58.7919, 37.3608



13.3536, 14.1904, 22.2852



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.



22.9521, 21.4649, 77.0627



24.7464, 20.3719, 97.2356



16.8917, 8.6442, 74.9075



14.0977, 14.9168, 18.2805



10.8035, 8.6691, 43.4871



0.8894, 0.8227, 3.2439

Inverse Universe

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



37.2018, 20.3057, 22.0376



44.6789, 22.8607, 19.3446



58.0539, 71.4606, 13.5316



14.6369, 14.4719, 16.2883



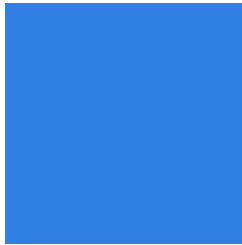
19.8466, 10.0729, 8.0872



1.5126, 0.7627, 0.8396

Previews

White Background



This preview shows how the XYZ color 22.9512, 21.4643, 77.0621 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 22.9512, 21.4643, 77.0621 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

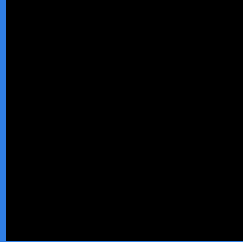
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

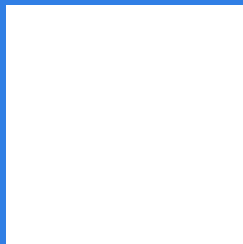
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 22.9512, 21.4643, 77.0621

Background



This preview shows how black text looks on a background with the XYZ color 22.9512, 21.4643, 77.0621.



This preview shows how white text looks on a background with the XYZ color 22.9512, 21.4643,

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

22.9512, 21.4643, 77.0621

Protanopia

23.8980, 21.2644, 74.0790

Deuteranopia

22.0508, 21.4035, 76.3679



Tritanopia

15.1108, 21.2841, 32.5900

Trichromacy



Original Color

22.9512, 21.4643, 77.0621

Protanomaly

23.3190, 21.1352, 74.8020

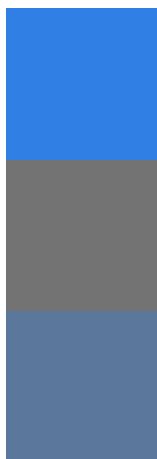
Deuteranomaly

22.1748, 21.2728, 76.3361

Tritanomaly

17.1720, 20.9822, 45.7927

Monochromacy



Original Color

22.9512, 21.4643, 77.0621

Achromatopsia

16.2955, 17.1441, 18.6699

Achromatomaly

16.9120, 17.8181, 34.0004

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.9512, 21.4643, 77.0621 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(48, 127, 229)` looks like.

```
.text, #text, p{  
  color:rgb(48, 127, 229)  
}
```

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(48, 127, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(48, 127, 229) }
```

Border

The CSS property to change the border of an element to XYZ 22.9512, 21.4643, 77.0621 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(48, 127, 229) }
```


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

```
.border{ border-color:rgb(48, 127, 229) }
```

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

Here you see how a box with a 4 pixel `rgb(48, 127, 229)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(48, 127, 229); -webkit-box-  
shadow:4px 4px 4px 4px rgb(48, 127, 229);  
box-shadow:4px 4px 4px 4px rgb(48, 127,  
229) }
```

Background

The CSS property to change the background color of an element to XYZ 22.9512, 21.4643, 77.0621 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(48, 127, 229) }
```

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

```
.background{ background-color: rgb(48, 127,  
229) }
```

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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