

Converting Colors

XYZ(22.6198, 22.5061, 75.1114)

Have a look what the booklet for
XYZ(22.6198, 22.5061, 75.1114)
contains.

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Color

**XYZ(22.6217, 22.5273,
75.1074)**

Conversions

Conversions Part 1

Format	Color
Hex	1D85E2
RGB	29, 133, 226
RGB Percent	11%, 52%, 89%
CMY	0.8862, 0.4784, 0.1137
CMYK	0.87, 0.41, 0.00, 0.11
HSL	208°, 77%, 50%
HSV	208°, 87%, 89%
XYZ	22.6217, 22.5273, 75.1074
YIQ	112.5060, -91.8370, 6.8750

Conversions

Conversions Part 2

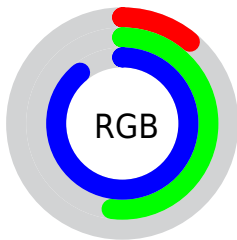
Format	Color
R _Y B	29, 97, 226
Decimal	1934818
CIE Lab	54.58, 5.63, -55.02
CIE LCh	55, 55.308, 275.839
Yxy	22.5273, 0.1881, 0.1873
Android (android.graphics.Color)	4280124898 (0xFF1D85E2)
YUV	112.5060, 55.9525, -73.2348
Hunter-Lab	47.4629, 2.0162, -60.5990

Details

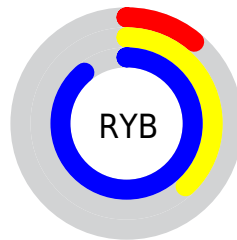
The XYZ color **22.6217, 22.5273, 75.1074** is a dark color, and the websafe version is hex **3399FF**. The color can be described as dark washed azure. A complement of this color would be **38.5489, 30.1828, 4.9581**, and the grayscale version is **15.4121, 16.2147, 17.6579**.

A 20% lighter version of the original color is **42.1645, 45.7173, 101.2098**, and **10.4260, 9.2429, 39.2648** is the 20% darker color. If you saturate the color by 10%, you get **20.8082, 19.5329, 74.6255**, and if you desaturate by 10%, it is **25.0481, 26.0583, 75.6616**.

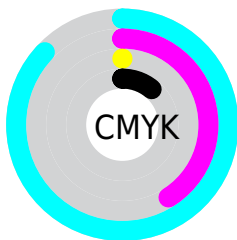
Distribution



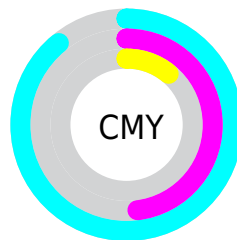
- Red (11%)
- Green (52%)
- Blue (89%)



- Red (11%)
- Yellow (38%)
- Blue (89%)



- Cyan (87%)
- Magenta (41%)
- Yellow (0%)
- Black (11%)



- Cyan (89%)
- Magenta (48%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.6217, 22.5273, 75.1074 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 22.6217, 22.5273, 75.1074 by changing the saturation by 10% instead.

■ 22.6217, 22.5273,
75.1074

■ 22.6217, 22.5273,
75.1074

258.3478,
265.2877, 497.5519

■ 14.4336, 14.2449,
55.1986

■ 47.2427, 47.6160,
128.2129

■ 8.5066, 8.2912,
39.1611

■ 64.4062, 65.1910,
162.2467

■ 4.4753, 4.2818,
26.5763

■ 85.2923, 86.6324,
201.8258

■ 1.9744, 1.8324,
17.0256

■ 110.2662,
112.3244, 247.3690

■ 0.6195, 0.5073,
10.0906

■ 139.6933,
142.6516, 299.2946

■ 0.0000, 0.0000,
5.3527

173.9391,

■ 0.0000, 0.0000,

177.9983, 358.0213

2.3933

213.3688,
218.7489, 423.9675

■ 0.0000, 0.0000,
0.7828

■ 0.0000, 0.0000,
0.0000

■ 22.6217, 22.5273,
75.1074

■ 22.6217, 22.5273,
75.1074

■ 20.8082, 19.5329,
74.6255

■ 25.0481, 26.0583,
75.6616

■ 20.3598, 18.7556,
74.4991

■ 28.1811, 30.1800,
76.2920

■ 32.0961, 34.9375,
77.0040

■ 36.8570, 40.3694,
77.8015

■ 42.5206, 46.5107,
78.6884

■ 49.1383, 53.3933,
79.6681

■ 56.7575, 61.0467,
80.7438

■ 65.4221, 69.4988,
81.9185

■ 75.1734, 78.7757,
83.1952

Harmonies

Analogous

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



16.9788, 22.5273, 69.4444



22.6217, 22.5273, 75.1074



29.0025, 22.5273, 62.8551

Triad

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



22.6217, 22.5273, 75.1074



32.3416, 22.5273, 9.6954



12.4265, 22.5273, 13.2286

Complementary

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



22.6217, 22.5273, 75.1074



38.5489, 30.1828, 4.9581

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.



15.2762, 22.5273, 6.1791



22.6217, 22.5273, 75.1074



26.5555, 22.5273, 4.9189

Square

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



22.6217, 22.5273, 75.1074



35.2560, 22.5273, 21.2808



20.2453, 22.5273, 4.0338



11.7689, 22.5273, 28.0907

Rectangle

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



22.6217, 22.5273, 75.1074



32.6007, 22.5273, 48.5074



20.2453, 22.5273, 4.0338



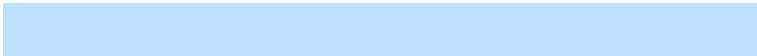
13.1295, 22.5273, 10.1342

Sweetspot

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



22.6227, 22.5280, 75.1080



65.5363, 71.1492, 104.8868



31.1519, 56.0338, 27.2459



13.3370, 14.5218, 22.3500



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.



22.6227, 22.5280, 75.1080



26.6590, 24.4379, 97.9197



14.8535, 6.9897, 72.5183



13.5479, 14.4350, 17.4599



11.7351, 10.9398, 42.5414



0.9029, 0.9372, 2.9786

Inverse Universe

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



36.0379, 18.7423, 23.9089



45.5854, 22.9982, 24.8126



57.0314, 67.1479, 11.1190



14.0080, 13.8208, 15.8125



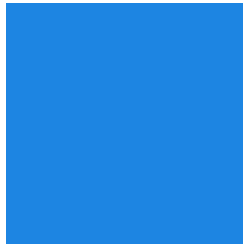
19.8636, 10.0124, 11.2132



1.4220, 0.7121, 1.0151

Previews

White Background



This preview shows how the XYZ color 22.6217, 22.5273, 75.1074 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 22.6217, 22.5273, 75.1074 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

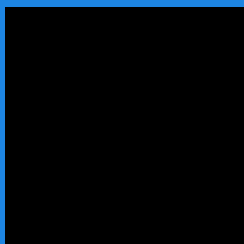
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

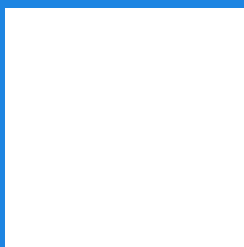
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 22.6217, 22.5273, 75.1074

Background



This preview shows how black text looks on a background with the XYZ color 22.6217, 22.5273, 75.1074.



This preview shows how white text looks on a background with the XYZ color 22.6217, 22.5273,

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

22.6217, 22.5273, 75.1074

Protanopia

24.7241, 22.5197, 70.7538

Deuteranopia

23.1592, 22.4017, 75.0548



Tritanopia

15.8060, 22.2796, 34.0392

Trichromacy



Original Color

22.6217, 22.5273, 75.1074

Protanomaly

23.4190, 22.2034, 72.1586

Deuteranomaly

22.9336, 22.4858, 75.0830

Tritanomaly

17.7543, 22.1226, 46.5144

Monochromacy



Original Color

22.6217, 22.5273, 75.1074

Achromatopsia

15.6958, 16.5132, 17.9829

Achromatomaly

16.0289, 17.5599, 33.1164

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.6217, 22.5273, 75.1074 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(29, 133, 226)` looks like.

```
.text, #text, p{  
    color:rgb(29, 133, 226)  
}
```

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(29, 133, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(29, 133, 226) }
```

Border

The CSS property to change the border of an element to XYZ 22.6217, 22.5273, 75.1074 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(29, 133, 226) }
```


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

```
.border{ border-color:rgb(29, 133, 226) }
```

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

Here you see how a box with a 4 pixel rgb(29, 133, 226) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(29, 133, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(29, 133, 226);  
box-shadow:4px 4px 4px 4px rgb(29, 133,  
226) }
```

Background

The CSS property to change the background color of an element to XYZ 22.6217, 22.5273, 75.1074 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(29, 133, 226) }
```

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

```
.background{ background-color: rgb(29, 133,  
226) }
```

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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