

Converting Colors

XYZ(22.6067, 20.8417, 79.9222)

Have a look what the booklet for
XYZ(22.6067, 20.8417, 79.9222)
contains.

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Color

**XYZ(22.6067, 20.8417,
79.9222)**

Conversions

Conversions Part 1

Format	Color
Hex	1F7DE9
RGB	31, 125, 233
RGB Percent	12%, 49%, 91%
CMY	0.8783, 0.5098, 0.0863
CMYK	0.87, 0.46, 0.00, 0.09
HSL	212°, 82%, 52%
HSV	212°, 87%, 91%
XYZ	22.6067, 20.8417, 79.9222
YIQ	109.2060, -90.6920, 13.6600

Conversions

Conversions Part 2

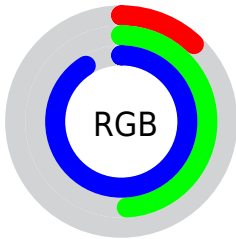
Format	Color
R_{YB}	31, 95, 233
Decimal	2063849
CIE _{Lab}	52.78, 13.34, -61.83
CIE _{LCh}	53, 63.257, 282.178
Yxy	20.8417, 0.1832, 0.1689
Android (android.graphics.Color)	4280253929 (0xFF1F7DE9)
YUV	109.2060, 61.0304, -68.5867
Hunter-Lab	45.6527, 8.4989, -71.8395

Details

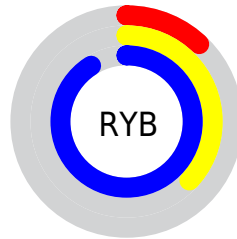
The XYZ color **22.6067, 20.8417, 79.9222** is a dark color, and the websafe version is hex **0066CC**. The color can be described as dark washed azure. A complement of this color would be **43.0888, 35.8961, 5.9558**, and the grayscale version is **14.4475, 15.1998, 16.5526**.

A 20% lighter version of the original color is **40.7116, 42.2417, 100.6155**, and **10.4904, 8.4423, 42.1509** is the 20% darker color. If you saturate the color by 10%, you get **20.6589, 17.6412, 79.4076**, and if you desaturate by 10%, it is **25.2582, 24.6988, 80.5275**.

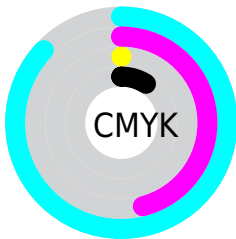
Distribution



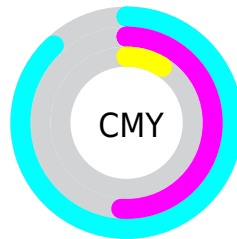
- Red (12%)
- Green (49%)
- Blue (91%)



- Red (12%)
- Yellow (37%)
- Blue (91%)



- Cyan (87%)
- Magenta (46%)
- Yellow (0%)
- Black (9%)



- Cyan (88%)
- Magenta (51%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.6067, 20.8417, 79.9222 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 22.6067, 20.8417, 79.9222 by changing the saturation by 10% instead.

■ 22.6067, 20.8417,
79.9222

■ 22.6067, 20.8417,
79.9222

258.2717,
256.4360, 514.3705

■ 14.4225, 13.0083,
59.1285

■ 47.2181, 44.8239,
135.0668

■ 8.4987, 7.4343,
42.2959

■ 64.3761, 61.7416,
170.2547

■ 4.4702, 3.7352,
29.0058

■ 85.2559, 82.4561,
211.0779

■ 1.9714, 1.5265,
18.8396

■ 110.2231,
107.3520, 257.9548

■ 0.6178, 0.3073,
11.3788

■ 139.6428,
136.8135, 311.3040

■ 0.0000, 0.0000,
6.2048

173.8806,

■ 0.0000, 0.0000,

171.2251, 371.5439

2.8992

213.3018,
210.9711, 439.0932

■ 0.0000, 0.0000,
1.0434

■ 0.0000, 0.0000,
0.0000

■ 22.6067, 20.8417,
79.9222

■ 22.6067, 20.8417,
79.9222

■ 20.6589, 17.6412,
79.4076

■ 25.2582, 24.6988,
80.5275

■ 20.1139, 16.6949,
79.2537

■ 28.7129, 29.2740,
81.2285

■ 33.0538, 34.6197,
82.0315

■ 38.3515, 40.7818,
82.9417

■ 44.6688, 47.8016,
83.9637

■ 52.0628, 55.7171,
85.1018

■ 60.5862, 64.5637,
86.3602

■ 70.2878, 74.3747,
87.7425

■ 81.2135, 85.1814,
89.2526

Harmonies

Analogous

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



16.1762, 20.8417, 77.7989



22.6067, 20.8417, 79.9222



29.6020, 20.8417, 61.6478

Triad

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



22.6067, 20.8417, 79.9222



30.7711, 20.8417, 5.9997



10.0234, 20.8417, 13.2939

Complementary

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



22.6067, 20.8417, 79.9222



43.0888, 35.8961, 5.9558

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.



12.4566, 20.8417, 5.0172



22.6067, 20.8417, 79.9222



23.9495, 20.8417, 2.7050

Square

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



22.6067, 20.8417, 79.9222



34.9702, 20.8417, 15.8617



17.2529, 20.8417, 2.4870



9.8196, 20.8417, 31.2487

Rectangle

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



22.6067, 20.8417, 79.9222



33.2741, 20.8417, 44.2136



17.2529, 20.8417, 2.4870



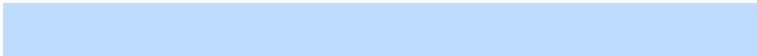
10.5777, 20.8417, 9.6129

Sweetspot

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



22.6076, 20.8423, 79.9228



64.4366, 68.9498, 104.5202



34.3467, 60.4267, 34.1823



13.0773, 14.0023, 22.2634



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.



22.6076, 20.8423, 79.9228



24.6046, 20.3293, 97.2349



15.9893, 7.2722, 77.6523



14.8089, 15.7042, 19.1730



11.5344, 9.7159, 45.0104



1.0012, 0.9538, 3.5662

Inverse Universe

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



37.7969, 19.7858, 21.2291



44.5485, 22.5834, 19.3522



60.8350, 74.5895, 12.4891



15.3571, 15.1707, 17.1657



20.6774, 10.4736, 9.3682



1.6718, 0.8417, 0.9893

Previews

White Background



This preview shows how the XYZ color 22.6067, 20.8417, 79.9222 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 22.6067, 20.8417, 79.9222 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

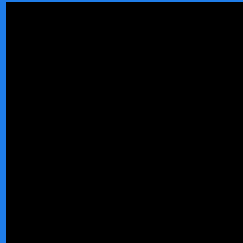
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

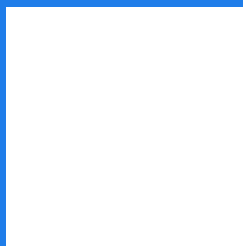
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 22.6067, 20.8417, 79.9222

Background



This preview shows how black text looks on a background with the XYZ color 22.6067, 20.8417, 79.9222.



This preview shows how white text looks on a background with the XYZ color 22.6067, 20.8417,

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

22.6067, 20.8417, 79.9222

Protanopia

23.5788, 20.6715, 76.8760

Deuteranopia

21.3098, 20.8746, 74.1402



Tritanopia

14.5779, 20.6034, 31.2255

Trichromacy



Original Color

22.6067, 20.8417, 79.9222

Protanomaly

22.8733, 20.4730, 77.6090

Deuteranomaly

21.7310, 20.8513, 76.2782

Tritanomaly

16.7998, 20.3760, 45.6953

Monochromacy



Original Color

22.6067, 20.8417, 79.9222

Achromatopsia

14.5356, 15.2926, 16.6537

Achromatomaly

15.3568, 16.3439, 32.9171

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.6067, 20.8417, 79.9222 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(31, 125, 233)` looks like.

```
.text, #text, p{  
    color:rgb(31, 125, 233)  
}
```

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(31, 125, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(31, 125, 233) }
```

Border

The CSS property to change the border of an element to XYZ 22.6067, 20.8417, 79.9222 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(31, 125, 233) }
```


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

```
.border{ border-color:rgb(31, 125, 233) }
```

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

Here you see how a box with a 4 pixel `rgb(31, 125, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(31, 125, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(31, 125, 233);  
box-shadow:4px 4px 4px 4px rgb(31, 125,  
233) }
```

Background

The CSS property to change the background color of an element to XYZ 22.6067, 20.8417, 79.9222 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(31, 125, 233) }
```

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

```
.background{ background-color: rgb(31, 125,  
233) }
```

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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