

Converting Colors

XYZ(22.1979, 20.6655, 79.3741)

Have a look what the booklet for
XYZ(22.1979, 20.6655, 79.3741)
contains.

XYZ(22.1486, 20.6220, 79.1570)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(22.1486, 20.6220,
79.1570)**

Conversions

Conversions Part 1

Format	Color
Hex	127DE8
RGB	18, 125, 232
RGB Percent	7%, 49%, 91%
CMY	0.9292, 0.5098, 0.0902
CMYK	0.92, 0.46, 0.00, 0.09
HSL	210°, 86%, 49%
HSV	210°, 92%, 91%
XYZ	22.1486, 20.6220, 79.1570
YIQ	105.2050, -98.1190, 10.5930

Conversions

Conversions Part 2

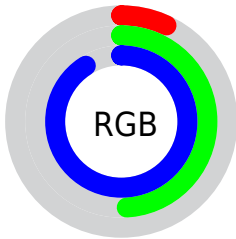
Format	Color
R _Y B	18, 89, 232
Decimal	1211880
CIE Lab	52.53, 12.28, -61.67
CIE LCh	53, 62.885, 281.263
Yxy	20.6220, 0.1817, 0.1691
Android (android.graphics.Color)	4279401960 (0xFF127DE8)
YUV	105.2050, 62.5099, -76.4788
Hunter-Lab	45.4115, 7.5900, -71.5608

Details

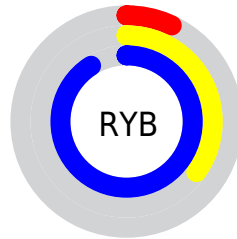
The XYZ color **22.1486, 20.6220, 79.1570** is a dark color, and the websafe version is hex **0066CC**. The color can be described as dark washed azure. A complement of this color would be **40.7279, 31.8785, 4.5808**, and the grayscale version is **13.3416, 14.0364, 15.2857**.

A 20% lighter version of the original color is **40.2025, 41.9793, 100.5917**, and **10.4904, 8.4423, 42.1509** is the 20% darker color. If you saturate the color by 10%, you get **20.8082, 18.3114, 78.7822**, and if you desaturate by 10%, it is **24.3791, 24.0813, 79.7077**.

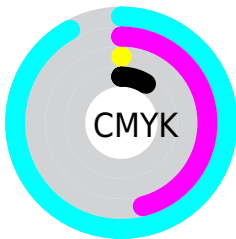
Distribution



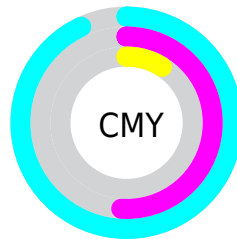
- Red (7%)
- Green (49%)
- Blue (91%)



- Red (7%)
- Yellow (35%)
- Blue (91%)



- Cyan (92%)
- Magenta (46%)
- Yellow (0%)
- Black (9%)



- Cyan (93%)
- Magenta (51%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.1486, 20.6220, 79.1570 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 22.1486, 20.6220, 79.1570 by changing the saturation by 10% instead.

■ 22.1486, 20.6220,
79.1570

■ 22.1486, 20.6220,
79.1570

255.9391,
255.2628, 511.7190

■ 14.0833, 12.8480,
58.5028

■ 46.4685, 44.4576,
133.9805

■ 8.2607, 7.3239,
41.7956

■ 63.4539, 61.2879,
168.9870

■ 4.3154, 3.6655,
28.6169

■ 84.1433, 81.9059,
209.6146

■ 1.8821, 1.4883,
18.5482

■ 108.9022,
106.6957, 256.2819

■ 0.5664, 0.2805,
11.1707

■ 138.0958,
136.0420, 309.4074

■ 0.0000, 0.0000,
6.0662

172.0896,

■ 0.0000, 0.0000,

170.3290, 369.4098

2.8159

211.2490,
209.9411, 436.7074

■ 0.0000, 0.0000,
1.0014

■ 0.0000, 0.0000,
0.0000

■ 22.1486, 20.6220,
79.1570

■ 22.1486, 20.6220,
79.1570

■ 20.8082, 18.3114,
78.7822

■ 24.3791, 24.0813,
79.7077

■ 27.3311, 28.1755,
80.3423

■ 31.0941, 32.9587,
81.0672

■ 35.7422, 38.4768,
81.8874

■ 41.3405, 44.7705,
82.8071

■ 47.9472, 51.8771,
83.8306

■ 55.6157, 59.8306,
84.9616

■ 64.3952, 68.6632,
86.2037

■ 74.3319, 78.4049,
87.5604

Harmonies

Analogous

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



15.8484, 20.6220, 76.3886



22.1486, 20.6220, 79.1570



29.0696, 20.6220, 61.6193

Triad

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



22.1486, 20.6220, 79.1570



30.5959, 20.6220, 6.1381



9.9755, 20.6220, 12.7947

Complementary

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



22.1486, 20.6220, 79.1570



40.7279, 31.8785, 4.5808

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.



12.4498, 20.6220, 4.8489



22.1486, 20.6220, 79.1570



23.9027, 20.6220, 2.7400

Square

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



22.1486, 20.6220, 79.1570



34.6186, 20.6220, 16.1544



17.2559, 20.6220, 2.4531



9.7087, 20.6220, 30.2091

Rectangle

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



22.1486, 20.6220, 79.1570



32.7528, 20.6220, 44.4761



17.2559, 20.6220, 2.4531



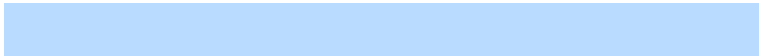
10.5459, 20.6220, 9.2520

Sweetspot

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



22.1495, 20.6226, 79.1576



63.1294, 68.1768, 104.4399



32.8102, 59.3239, 29.1311



12.6686, 13.7082, 22.2282



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.



22.1495, 20.6226, 79.1576



25.7006, 22.5212, 97.6002



15.0329, 6.3893, 76.7854



14.1751, 15.0716, 18.3063



11.6778, 10.4178, 43.7785



0.9558, 0.9556, 3.2660

Inverse Universe

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



37.1977, 19.0707, 21.1226



45.1017, 22.8047, 22.2653



62.2453, 74.9133, 11.7533



14.6760, 14.4876, 16.4941



20.2879, 10.2494, 10.4112



1.5461, 0.7761, 1.0162

Previews

White Background



This preview shows how the XYZ color 22.1486, 20.6220, 79.1570 looks on a white background.

Color Contrast Check

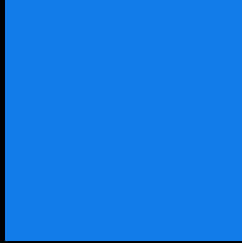
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.1486, 20.6220, 79.1570 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

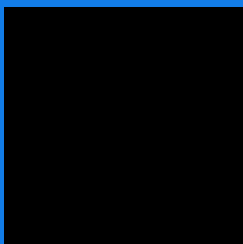
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

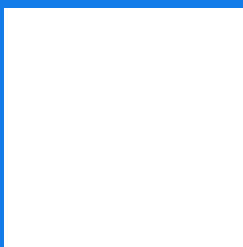
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 22.1486, 20.6220, 79.1570

Background



This preview shows how black text looks on a background with the XYZ color 22.1486, 20.6220, 79.1570.



This preview shows how white text looks on a background with the XYZ color 22.1486, 20.6220,

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

22.1486, 20.6220, 79.1570

Protanopia

23.4395, 20.6158, 76.1426

Deuteranopia

21.0439, 20.5606, 73.3805



Tritanopia

14.4338, 20.3151, 31.1774

Trichromacy



Original Color

22.1486, 20.6220, 79.1570

Protanomaly

22.5186, 20.3063, 76.8614

Deuteranomaly

21.4136, 20.5129, 75.5038

Tritanomaly

16.6118, 20.0749, 45.6471

Monochromacy



Original Color

22.1486, 20.6220, 79.1570

Achromatopsia

13.4271, 14.1263, 15.3836

Achromatomaly

14.1277, 15.2392, 31.4750

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.1486, 20.6220, 79.1570 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(18, 125, 232)` looks like.

```
.text, #text, p{  
    color:rgb(18, 125, 232)  
}
```

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(18, 125, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(18, 125, 232) }
```

Border

The CSS property to change the border of an element to XYZ 22.1486, 20.6220, 79.1570 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(18, 125, 232) }
```


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

```
.border{ border-color:rgb(18, 125, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(18, 125, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(18, 125, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(18, 125, 232);  
box-shadow:4px 4px 4px 4px rgb(18, 125,  
232) }
```

Background

The CSS property to change the background color of an element to XYZ 22.1486, 20.6220, 79.1570 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(18, 125, 232) }
```

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

```
.background{ background-color: rgb(18, 125,  
232) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor