

Converting Colors

XYZ(22.6305, 21.4923, 79.0657)

Have a look what the booklet for
XYZ(22.6305, 21.4923, 79.0657)
contains.

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Color

**XYZ(22.6380, 21.4467,
79.2904)**

Conversions

Conversions Part 1

Format	Color
Hex	1780E8
RGB	23, 128, 232
RGB Percent	9%, 50%, 91%
CMY	0.9097, 0.4980, 0.0902
CMYK	0.90, 0.45, 0.00, 0.09
HSL	210°, 82%, 50%
HSV	210°, 90%, 91%
XYZ	22.6380, 21.4467, 79.2904
YIQ	108.4610, -95.9640, 10.0840

Conversions

Conversions Part 2

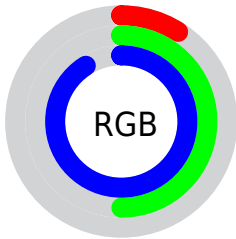
Format	Color
R _Y B	23, 93, 232
Decimal	1540328
CIE Lab	53.43, 10.65, -60.22
CIE LCh	53, 61.154, 280.025
Yxy	21.4467, 0.1835, 0.1738
Android (android.graphics.Color)	4279730408 (0xFF1780E8)
YUV	108.4610, 60.9047, -74.9493
Hunter-Lab	46.3106, 6.2126, -69.0956

Details

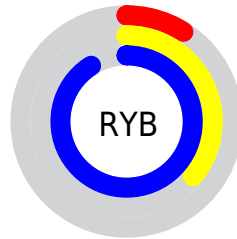
The XYZ color **22.6380, 21.4467, 79.2904** is a dark color, and the websafe version is hex **3399FF**. The color can be described as dark washed azure. A complement of this color would be **41.0275, 32.4052, 4.9048**, and the grayscale version is **14.2398, 14.9813, 16.3147**.

A 20% lighter version of the original color is **40.9268, 43.2420, 100.7972**, and **10.7051, 8.8719, 42.2225** is the 20% darker color. If you saturate the color by 10%, you get **20.8731, 18.4413, 78.8038**, and if you desaturate by 10%, it is **25.0149, 25.0366, 79.8586**.

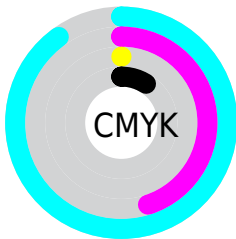
Distribution



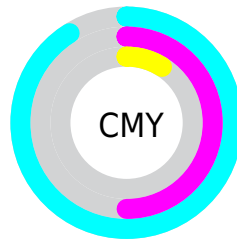
- Red (9%)
- Green (50%)
- Blue (91%)



- Red (9%)
- Yellow (36%)
- Blue (91%)



- Cyan (90%)
- Magenta (45%)
- Yellow (0%)
- Black (9%)



- Cyan (91%)
- Magenta (50%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.6380, 21.4467, 79.2904 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 22.6380, 21.4467, 79.2904 by changing the saturation by 10% instead.

■ 22.6380, 21.4467,
79.2904

■ 22.6380, 21.4467,
79.2904

258.4304,
259.6430, 512.1818

■ 14.4457, 13.4509,
58.6119

■ 47.2693, 45.8298,
134.1700

■ 8.5150, 7.7398,
41.8828

■ 64.4389, 62.9859,
169.2081

■ 4.4808, 3.9289,
28.6847

■ 85.3317, 83.9642,
209.8699

■ 1.9776, 1.6339,
18.5989

■ 110.3130,
109.1492, 256.5738

■ 0.6213, 0.3803,
11.2069

■ 139.7482,
138.9251, 309.7384

■ 0.0000, 0.0000,
6.0903

174.0026,

■ 0.0000, 0.0000,

173.6765, 369.7822

2.8304

213.4415,
213.7876, 437.1238

■ 0.0000, 0.0000,
1.0087

■ 0.0000, 0.0000,
0.0000

■ 22.6380, 21.4467,
79.2904

■ 22.6380, 21.4467,
79.2904

■ 20.8731, 18.4413,
78.8038

■ 25.0149, 25.0366,
79.8586

■ 28.1323, 29.2706,
80.5115

■ 32.0760, 34.2009,
81.2553

■ 36.9179, 39.8718,
82.0947

■ 42.7212, 46.3232,
83.0341

■ 49.5429, 53.5912,
84.0774

■ 57.4354, 61.7095,
85.2284

■ 66.4472, 70.7096,
86.4906

■ 76.6237, 80.6210,
87.8673

Harmonies

Analogous

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



16.4069, 21.4467, 75.7166



22.6380, 21.4467, 79.2904



29.5229, 21.4467, 62.8726

Triad

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



22.6380, 21.4467, 79.2904



31.5283, 21.4467, 7.0698



10.7515, 21.4467, 13.1362

Complementary

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



22.6380, 21.4467, 79.2904



41.0275, 32.4052, 4.9048

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.



13.3580, 21.4467, 5.2700



22.6380, 21.4467, 79.2904



24.9578, 21.4467, 3.2816

Square

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



22.6380, 21.4467, 79.2904



35.3310, 21.4467, 17.6596



18.2856, 21.4467, 2.8663



10.3895, 21.4467, 30.1520

Rectangle

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



22.6380, 21.4467, 79.2904



33.2376, 21.4467, 46.1825



18.2856, 21.4467, 2.8663



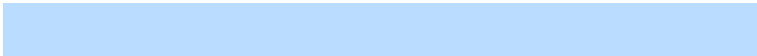
11.3631, 21.4467, 9.6474

Sweetspot

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



22.6390, 21.4473, 79.2910



64.1226, 69.2507, 104.5948



32.8512, 59.3523, 28.8048



13.0440, 14.1132, 22.2866



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.



22.6390, 21.4473, 79.2910



25.7810, 22.6820, 97.6270



15.3006, 6.7706, 76.8449



14.1781, 15.0775, 18.3073



11.7140, 10.4901, 43.7906



0.9585, 0.9610, 3.2669

Inverse Universe

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



37.4823, 19.3286, 22.1776



45.1422, 22.8209, 22.4789



61.3200, 72.9901, 11.6689



14.6775, 14.4882, 16.5019



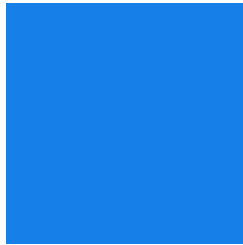
20.3062, 10.2567, 10.5074



1.5475, 0.7767, 1.0234

Previews

White Background



This preview shows how the XYZ color 22.6380, 21.4467, 79.2904 looks on a white background.

Color Contrast Check

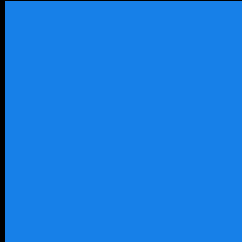
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.6380, 21.4467, 79.2904 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

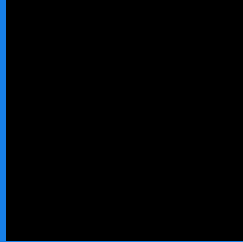
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

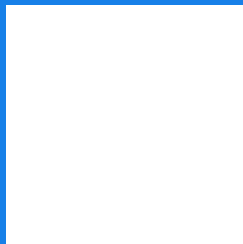
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 22.6380, 21.4467, 79.2904

Background



This preview shows how black text looks on a background with the XYZ color 22.6380, 21.4467, 79.2904.



This preview shows how white text looks on a background with the XYZ color 22.6380, 21.4467,

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

22.6380, 21.4467, 79.2904

Protanopia

24.0087, 21.2897, 75.5170

Deuteranopia

21.8538, 21.3020, 76.3587



Tritanopia

15.1108, 21.2841, 32.5900

Trichromacy



Original Color

22.6380, 21.4467, 79.2904

Protanomaly

23.1638, 21.1942, 76.9988

Deuteranomaly

22.0933, 21.4093, 77.0967

Tritanomaly

17.1425, 20.9552, 46.3213

Monochromacy



Original Color

22.6380, 21.4467, 79.2904

Achromatopsia

14.2537, 14.9960, 16.3306

Achromatomaly

14.9411, 16.1392, 32.4647

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.6380, 21.4467, 79.2904 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(23, 128, 232)` looks like.

```
.text, #text, p{  
    color:rgb(23, 128, 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(23, 128, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(23, 128, 232) }
```

Border

The CSS property to change the border of an element to XYZ 22.6380, 21.4467, 79.2904 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(23, 128, 232) }
```


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

```
.border{ border-color:rgb(23, 128, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(23, 128, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(23, 128, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(23, 128, 232);  
box-shadow:4px 4px 4px 4px rgb(23, 128,  
232) }
```

Background

The CSS property to change the background color of an element to XYZ 22.6380, 21.4467, 79.2904 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(23, 128, 232) }
```

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

```
.background{ background-color: rgb(23, 128,  
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](#).

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