

Converting Colors

XYZ(21.1780, 19.6473, 75.3491)

Have a look what the booklet for
XYZ(21.1780, 19.6473, 75.3491)
contains.

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Color

**XYZ(21.1780, 19.6473,
75.3491)**

Conversions

Conversions Part 1

Format	Color
Hex	177AE3
RGB	23, 122, 227
RGB Percent	9%, 48%, 89%
CMY	0.9097, 0.5216, 0.1098
CMYK	0.90, 0.46, 0.00, 0.11
HSL	211°, 82%, 49%
HSV	211°, 90%, 89%
XYZ	21.1780, 19.6473, 75.3491
YIQ	104.3690, -92.7090, 11.6670

Conversions

Conversions Part 2

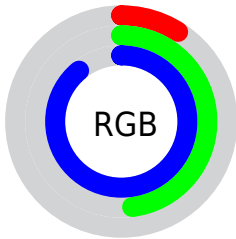
Format	Color
R _Y B	23, 90, 227
Decimal	1538787
CIE Lab	51.44, 12.45, -60.63
CIE LCh	51, 61.899, 281.603
Yxy	19.6473, 0.1823, 0.1691
Android (android.graphics.Color)	4279728867 (0xFF177AE3)
YUV	104.3690, 60.4571, -71.3606
Hunter-Lab	44.3253, 7.7156, -69.7601

Details

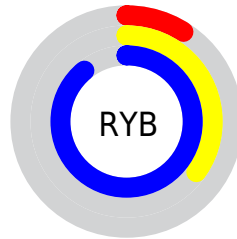
The XYZ color **21.1780, 19.6473, 75.3491** is a dark color, and the websafe version is hex **0066CC**. The color can be described as dark washed azure. A complement of this color would be **39.5569, 31.8394, 4.8730**, and the grayscale version is **13.1204, 13.8037, 15.0323**.

A 20% lighter version of the original color is **39.6165, 40.8071, 100.3963**, and **9.7995, 7.8378, 39.5244** is the 20% darker color. If you saturate the color by 10%, you get **19.4793, 16.7682, 74.8834**, and if you desaturate by 10%, it is **23.4616, 23.0843, 75.8926**.

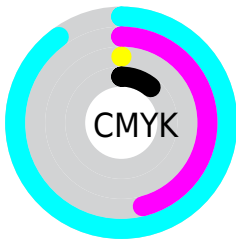
Distribution



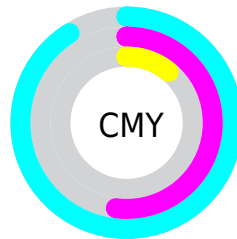
- Red (9%)
- Green (48%)
- Blue (89%)



- Red (9%)
- Yellow (35%)
- Blue (89%)



- Cyan (90%)
- Magenta (46%)
- Yellow (0%)
- Black (11%)



- Cyan (91%)
- Magenta (52%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.1780, 19.6473, 75.3491 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 21.1780, 19.6473, 75.3491 by changing the saturation by 10% instead.

■ 21.1780, 19.6473,
75.3491

■ 21.1780, 19.6473,
75.3491

250.9368,
249.9993, 498.4040

■ 13.3674, 12.1389,
55.3955

■ 44.8726, 42.8251,
128.5580

■ 7.7607, 6.8384,
39.3177

■ 61.4874, 59.2632,
162.6505

■ 3.9928, 3.3612,
26.6972

■ 81.7675, 79.4468,
202.2929

■ 1.6980, 1.3231,
17.1155

■ 106.0784,
103.7602, 247.9038

■ 0.4550, 0.1590,
10.1541

■ 134.7854,
132.5877, 299.9019

■ 0.0000, 0.0000,
5.3943

168.2539,

■ 0.0000, 0.0000,

166.3138, 358.7056

2.4177

206.8493,
205.3229, 424.7334

■ 0.0000, 0.0000,
0.7960

■ 0.0000, 0.0000,
0.0000

■ 21.1780, 19.6473,
75.3491

■ 21.1780, 19.6473,
75.3491

■ 19.4793, 16.7682,
74.8834

■ 23.4616, 23.0843,
75.8926

■ 19.4568, 16.7292,
74.8770

■ 26.4616, 27.1552,
76.5203

■ 30.2592, 31.9103,
77.2379

■ 34.9229, 37.3926,
78.0503

■ 40.5130, 43.6408,
78.9617

■ 47.0839, 50.6901,
79.9761

■ 54.6857, 58.5734,
81.0970

■ 63.3647, 67.3213,
82.3281

■ 73.1643, 76.9627,
83.6726

Harmonies

Analogous

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



15.1565, 19.6473, 72.9493



21.1780, 19.6473, 75.3491



27.7682, 19.6473, 58.4614

Triad

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



21.1780, 19.6473, 75.3491



29.0909, 19.6473, 5.7810



9.4872, 19.6473, 12.3200

Complementary

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



21.1780, 19.6473, 75.3491



39.5569, 31.8394, 4.8730

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.



11.8202, 19.6473, 4.6650



21.1780, 19.6473, 75.3491



22.6979, 19.6473, 2.5919

Square

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



21.1780, 19.6473, 75.3491



32.9677, 19.6473, 15.2300



16.3759, 19.6473, 2.3437



9.2561, 19.6473, 29.0269

Rectangle

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



21.1780, 19.6473, 75.3491



31.2575, 19.6473, 42.1025



16.3759, 19.6473, 2.3437



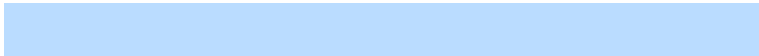
10.0227, 19.6473, 8.9105

Sweetspot

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



21.1789, 19.6479, 75.3496



63.8133, 68.6322, 104.4918



31.5260, 56.6021, 28.6710



12.9714, 13.9680, 22.2624



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.



21.1789, 19.6479, 75.3496



25.2239, 21.5679, 97.4413



14.5263, 6.3426, 73.1321



14.1571, 15.0357, 18.3003



11.4630, 9.9881, 43.7069



0.9398, 0.9235, 3.2607

Inverse Universe

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



35.4986, 18.3502, 20.0835



44.8611, 22.7084, 20.9983



59.3030, 71.3315, 11.4550



14.6669, 14.4840, 16.4463



20.1795, 10.2060, 9.8402



1.5380, 0.7729, 0.9735

Previews

White Background



This preview shows how the XYZ color 21.1780, 19.6473, 75.3491 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 21.1780, 19.6473, 75.3491 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

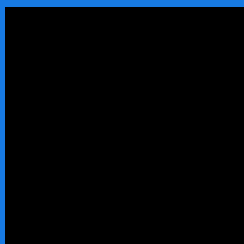
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

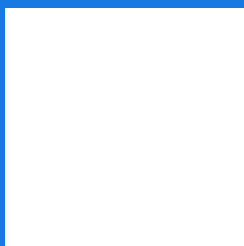
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 21.1780, 19.6473, 75.3491

Background



This preview shows how black text looks on a background with the XYZ color 21.1780, 19.6473, 75.3491.



This preview shows how white text looks on a background with the XYZ color 21.1780, 19.6473,

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

21.1780, 19.6473, 75.3491

Protanopia

22.2520, 19.5498, 72.4127

Deuteranopia

19.9938, 19.5298, 69.7337



Tritanopia

13.6980, 19.3416, 29.3969

Trichromacy



Original Color

21.1780, 19.6473, 75.3491

Protanomaly

21.4675, 19.3055, 73.1159

Deuteranomaly

20.3679, 19.4915, 71.7960

Tritanomaly

15.7228, 19.0729, 42.8972

Monochromacy



Original Color

21.1780, 19.6473, 75.3491

Achromatopsia

13.1579, 13.8432, 15.0752

Achromatomaly

14.0109, 15.0347, 30.5973

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.1780, 19.6473, 75.3491 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, 122, 227)` looks like.

```
.text, #text, p{  
  color:rgb(23, 122, 227)  
}
```

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, 122, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(23, 122, 227) }
```

Border

The CSS property to change the border of an element to XYZ 21.1780, 19.6473, 75.3491 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, 122, 227) }
```


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

```
.border{ border-color:rgb(23, 122, 227) }
```

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

Here you see how a box with a 4 pixel `rgb(23, 122, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(23, 122, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(23, 122, 227);  
box-shadow:4px 4px 4px 4px rgb(23, 122,  
227) }
```

Background

The CSS property to change the background color of an element to XYZ 21.1780, 19.6473, 75.3491 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(23, 122, 227) }
```

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

```
.background{ background-color: rgb(23, 122,  
227) }
```

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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