

Converting Colors

XYZ(21.7191, 20.6977, 77.3456)

Have a look what the booklet for
XYZ(21.7191, 20.6977, 77.3456)
contains.

XYZ(21.7438, 20.6349, 77.6998)	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(21.7438, 20.6349,
77.6998)**

Conversions

Conversions Part 1

Format	Color
Hex	007EE6
RGB	0, 126, 230
RGB Percent	0%, 49%, 90%
CMY	0.9998, 0.5059, 0.0980
CMYK	1.00, 0.45, 0.00, 0.10
HSL	207°, 100%, 45%
HSV	207°, 100%, 90%
XYZ	21.7438, 20.6349, 77.6998
YIQ	100.1820, -108.4800, 5.6320

Conversions

Conversions Part 2

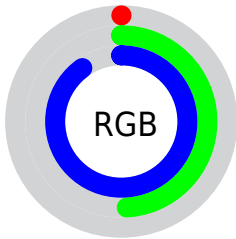
Format	Color
RYB	0, 81, 230
Decimal	32486
CIELab	52.55, 10.34, -60.54
CIELCh	53, 61.415, 279.688
Yxy	20.6349, 0.1811, 0.1718
Android (android.graphics.Color)	4278222566 (0xFF007EE6)
YUV	100.1820, 64.0003, -87.8596
Hunter-Lab	45.4257, 5.9473, -69.6166

Details

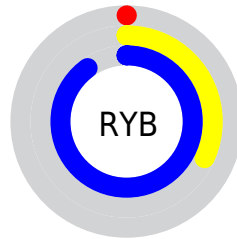
The XYZ color **21.7438, 20.6349, 77.6998** is a dark color, and the websafe version is hex **0066CC**. The color can be described as dark washed azure. A complement of this color would be **37.5902, 26.7363, 3.1812**, and the grayscale version is **12.0262, 12.6525, 13.7785**.

A 20% lighter version of the original color is **39.9143, 42.1250, 100.6350**, and **10.3644, 8.5048, 41.1397** is the 20% darker color. If you saturate the color by 10%, you get **21.7404, 20.6280, 77.6991**, and if you desaturate by 10%, it is **23.4989, 23.6183, 78.1836**.

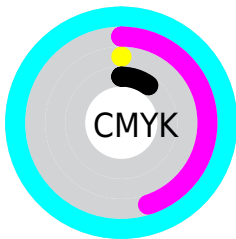
Distribution



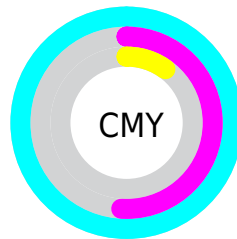
- Red (0%)
- Green (49%)
- Blue (90%)



- Red (0%)
- Yellow (32%)
- Blue (90%)



- Cyan (100%)
- Magenta (45%)
- Yellow (0%)
- Black (10%)



- Cyan (100%)
- Magenta (51%)
- Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.7438, 20.6349, 77.6998 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 21.7438, 20.6349, 77.6998 by changing the saturation by 10% instead.

■ 21.7438, 20.6349,
77.6998

■ 21.7438, 20.6349,
77.6998

253.8630,
255.3318, 506.6476

■ 13.7843, 12.8574,
57.3124

■ 45.8042, 44.4791,
131.9089

■ 8.0515, 7.3304,
40.8451

■ 62.6358, 61.3146,
166.5676

■ 4.1800, 3.6696,
27.8793

■ 83.1556, 81.9382,
206.8206

■ 1.8045, 1.4905,
17.9964

■ 107.7287,
106.7343, 253.0863

■ 0.5204, 0.2820,
10.7780

■ 136.7207,
136.0873, 305.7834

■ 0.0000, 0.0000,
5.8055

170.4968,

■ 0.0000, 0.0000,

170.3817, 365.3302

2.6603

209.4225,
210.0017, 432.1455

■ 0.0000, 0.0000,
0.9233

■ 0.0000, 0.0000,
0.0000

■ 21.7438, 20.6349,
77.6998

■ 21.7438, 20.6349,
77.6998

■ 21.7404, 20.6280,
77.6991

■ 23.4989, 23.6183,
78.1836

■ 25.8161, 27.1027,
78.7341

■ 28.8340, 31.1654,
79.3592

■ 32.6339, 35.8538,
80.0639

■ 37.2847, 41.2088,
80.8524

■ 42.8470, 47.2668,
81.7285

■ 49.3755, 54.0609,
82.6958

■ 56.9203, 61.6216,
83.7575

■ 65.5276, 69.9777,
84.9168

Harmonies

Analogous

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



15.6664, 20.6349, 73.9241



21.7438, 20.6349, 77.6998



28.5057, 20.6349, 61.6366

Triad

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



21.7438, 20.6349, 77.6998



30.6100, 20.6349, 6.7017



10.2338, 20.6349, 12.3706

Complementary

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



21.7438, 20.6349, 77.6998



37.5902, 26.7363, 3.1812

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.



12.7935, 20.6349, 4.8559



21.7438, 20.6349, 77.6998



24.1720, 20.6349, 3.0274

Square

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



21.7438, 20.6349, 77.6998



34.3073, 20.6349, 17.0740



17.6259, 20.6349, 2.6073



9.8586, 20.6349, 28.8927

Rectangle

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



21.7438, 20.6349, 77.6998



32.1788, 20.6349, 45.1875



17.6259, 20.6349, 2.6073



10.8360, 20.6349, 9.0210

Sweetspot

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



21.7447, 20.6355, 77.7004



62.2232, 68.1406, 104.4807



30.7729, 57.5844, 22.4660



12.5390, 13.7825, 22.2494



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.



21.7447, 20.6355, 77.7004



27.3792, 25.8784, 98.1597



14.4100, 5.9660, 75.2554



14.2338, 15.1890, 18.3259



12.4320, 11.9260, 44.0299



1.0112, 1.0664, 3.2845

Inverse Universe

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



36.3999, 18.3308, 21.3586



45.9490, 23.1436, 26.7270



57.8359, 67.2277, 9.9297



14.7056, 14.4994, 16.6501



20.6686, 10.4017, 12.4157



1.5740, 0.7873, 1.1634

Previews

White Background



This preview shows how the XYZ color 21.7438, 20.6349, 77.6998 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 21.7438, 20.6349, 77.6998 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

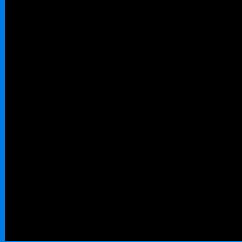
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

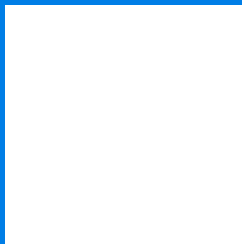
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 21.7438, 20.6349, 77.6998

Background



This preview shows how black text looks on a background with the XYZ color 21.7438, 20.6349, 77.6998.



This preview shows how white text looks on a background with the XYZ color 21.7438, 20.6349,

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

21.7438, 20.6349, 77.6998

Protanopia

23.2520, 20.5668, 73.9784

Deuteranopia

21.0439, 20.5606, 73.3805



Tritanopia

14.5779, 20.6034, 31.2255

Trichromacy



Original Color

21.7438, 20.6349, 77.6998

Protanomaly

22.1204, 20.3163, 75.4286

Deuteranomaly

21.3168, 20.6697, 74.8176

Tritanomaly

16.5610, 20.2645, 45.1581

Monochromacy



Original Color

21.7438, 20.6349, 77.6998

Achromatopsia

12.1130, 12.7438, 13.8780

Achromatomaly

12.8495, 14.1339, 29.6546

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.7438, 20.6349, 77.6998 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(0, 126, 230)` looks like.

```
.text, #text, p{  
    color:rgb(0, 126, 230)  
}
```

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(0, 126, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 126, 230) }
```

Border

The CSS property to change the border of an element to XYZ 21.7438, 20.6349, 77.6998 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(0, 126, 230) }
```


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

```
.border{ border-color:rgb(0, 126, 230) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 126, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 126, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 126, 230);  
box-shadow:4px 4px 4px 4px rgb(0, 126,  
230) }
```

Background

The CSS property to change the background color of an element to XYZ 21.7438, 20.6349, 77.6998 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 126, 230) }
```

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

```
.background{ background-color: rgb(0, 126,  
230) }
```

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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