

Converting Colors

XYZ(21.2055, 20.8835, 73.4350)

Have a look what the booklet for
XYZ(21.2055, 20.8835, 73.4350)
contains.

XYZ(21.1737, 20.8202, 73.4237)	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(21.1737, 20.8202,
73.4237)**

Conversions

Conversions Part 1

Format	Color
Hex	0080E0
RGB	0, 128, 224
RGB Percent	0%, 50%, 88%
CMY	0.9998, 0.4980, 0.1216
CMYK	1.00, 0.43, 0.00, 0.12
HSL	206°, 100%, 44%
HSV	206°, 100%, 88%
XYZ	21.1737, 20.8202, 73.4237
YIQ	100.6720, -107.1040, 2.7200

Conversions

Conversions Part 2

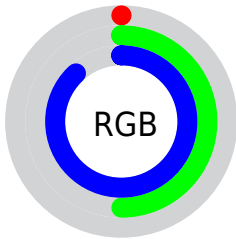
Format	Color
R _{YB}	0, 81, 224
Decimal	32992
CIE Lab	52.75, 6.76, -56.85
CIE LCh	53, 57.245, 276.779
Yxy	20.8202, 0.1835, 0.1804
Android (android.graphics.Color)	4278223072 (0xFF0080E0)
YUV	100.6720, 60.8007, -88.2893
Hunter-Lab	45.6292, 2.9799, -63.4655

Details

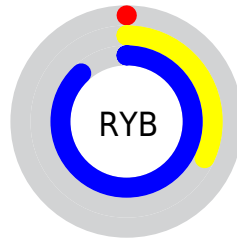
The XYZ color **21.1737, 20.8202, 73.4237** is a dark color, and the websafe version is hex **3399FF**. The color can be described as dark washed azure. A complement of this color would be **34.9287, 24.2230, 2.8361**, and the grayscale version is **12.1581, 12.7912, 13.9296**.

A 20% lighter version of the original color is **40.0802, 42.8056, 100.7576**, and **9.9365, 8.5645, 38.1752** is the 20% darker color. If you saturate the color by 10%, you get **21.1709, 20.8145, 73.4232**, and if you desaturate by 10%, it is **22.8273, 23.6209, 73.8776**.

Distribution



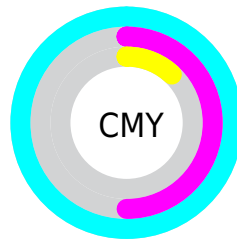
- Red (0%)
- Green (50%)
- Blue (88%)



- Red (0%)
- Yellow (32%)
- Blue (88%)



- Cyan (100%)
- Magenta (43%)
- Yellow (0%)
- Black (12%)



- Cyan (100%)
- Magenta (50%)
- Yellow (12%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.1737, 20.8202, 73.4237 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 21.1737, 20.8202, 73.4237 by changing the saturation by 10% instead.

■ 21.1737, 20.8202,
73.4237

■ 21.1737, 20.8202,
73.4237

250.9145,
256.3214, 491.5921

■ 13.3642, 12.9926,
53.8286

■ 44.8655, 44.7881,
125.8050

■ 7.7585, 7.4235,
38.0724

■ 61.4786, 61.6972,
159.4283

■ 3.9913, 3.7283,
25.7366

■ 81.7569, 82.4023,
198.5646

■ 1.6972, 1.5228,
16.4027

■ 106.0658,
107.2878, 243.6326

■ 0.4545, 0.3047,
9.6521

■ 134.7707,
136.7381, 295.0509

■ 0.0000, 0.0000,
5.0663

168.2368,

■ 0.0000, 0.0000,

171.1375, 353.2378

2.2268

206.8296,
210.8705, 418.6120

■ 0.0000, 0.0000,
0.6898

■ 0.0000, 0.0000,
0.0000

■ 21.1737, 20.8202,
73.4237

■ 21.1737, 20.8202,
73.4237

■ 21.1709, 20.8145,
73.4232

■ 22.8273, 23.6209,
73.8776

■ 24.9961, 26.8678,
74.3900

■ 27.8113, 30.6331,
74.9684

■ 31.3484, 34.9599,
75.6172

■ 35.6713, 39.8856,
76.3401

■ 40.8365, 45.4432,
77.1406

■ 46.8945, 51.6627,
78.0218

■ 53.8919, 58.5720,
78.9866

■ 61.8716, 66.1969,
80.0378

Harmonies

Analogous

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



15.6030, 20.8202, 68.2294



21.1737, 20.8202, 73.4237



27.4799, 20.8202, 60.4630

Triad

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



21.1737, 20.8202, 73.4237



30.4688, 20.8202, 8.1432



11.0102, 20.8202, 12.0293

Complementary

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



21.1737, 20.8202, 73.4237



34.9287, 24.2230, 2.8361

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.



13.6863, 20.8202, 5.2269



21.1737, 20.8202, 73.4237



24.6637, 20.8202, 3.9005

Square

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



21.1737, 20.8202, 73.4237



33.5009, 20.8202, 19.0098



18.4660, 20.8202, 3.1958



10.4459, 20.8202, 26.7715

Rectangle

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



21.1737, 20.8202, 73.4237



31.0165, 20.8202, 45.8446



18.4660, 20.8202, 3.1958



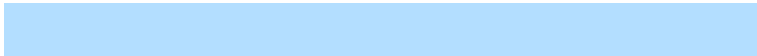
11.6621, 20.8202, 9.0166

Sweetspot

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



21.1746, 20.8208, 73.4243



62.7012, 69.0966, 104.6400



28.6485, 54.1088, 19.3750



12.6524, 14.0094, 22.2872



0.0000, 0.0000, 0.0000



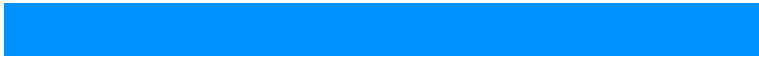
20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



21.1746, 20.8208, 73.4243



28.2810, 27.6820, 98.4603



13.6834, 5.8384, 70.9272



13.5989, 14.5368, 17.4768



12.4392, 12.3481, 42.7762



0.9506, 1.0326, 2.9945

Inverse Universe

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



34.6376, 17.4071, 21.9567



46.4041, 23.3257, 29.1240



52.6533, 59.6722, 8.7443



14.0337, 13.8311, 15.9478



20.2190, 10.1546, 13.0847



1.4461, 0.7217, 1.1418

Previews

White Background



This preview shows how the XYZ color 21.1737, 20.8202, 73.4237 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 21.1737, 20.8202, 73.4237 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

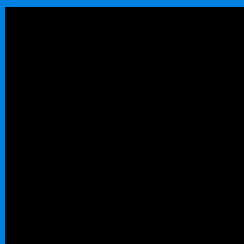
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 21.1737, 20.8202, 73.4237

Background



This preview shows how black text looks on a background with the XYZ color 21.1737, 20.8202, 73.4237.



This preview shows how white text looks on a background with the XYZ color 21.1737, 20.8202,

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

21.1737, 20.8202, 73.4237

Protanopia

23.0941, 20.7749, 69.1224

Deuteranopia

21.4959, 20.7936, 73.4016



Tritanopia

14.6574, 20.6352, 31.6442

Trichromacy



Original Color

21.1737, 20.8202, 73.4237

Protanomaly

21.5421, 20.3127, 70.4955

Deuteranomaly

21.2751, 20.6797, 73.3913

Tritanomaly

16.5004, 20.4625, 44.1543

Monochromacy



Original Color

21.1737, 20.8202, 73.4237

Achromatopsia

12.3695, 13.0136, 14.1719

Achromatomaly

12.9871, 14.5342, 29.3150

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.1737, 20.8202, 73.4237 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, 128, 224)` looks like.

```
.text, #text, p{  
    color:rgb(0, 128, 224)  
}
```

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, 128, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 128, 224) }
```

Border

The CSS property to change the border of an element to XYZ 21.1737, 20.8202, 73.4237 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, 128, 224) }
```


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

```
.border{ border-color:rgb(0, 128, 224) }
```

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

Here you see how a box with a 4 pixel rgb(0, 128, 224) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 128, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 128, 224);  
box-shadow:4px 4px 4px 4px rgb(0, 128,  
224) }
```

Background

The CSS property to change the background color of an element to XYZ 21.1737, 20.8202, 73.4237 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 128, 224) }
```

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

```
.background{ background-color: rgb(0, 128,  
224) }
```

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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