

Converting Colors

XYZ(5.2303, 12.1960, 72.4244)

Have a look what the booklet for
XYZ(5.2303, 12.1960, 72.4244)
contains.

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Color

**XYZ(20.9154, 20.3035,
73.3376)**

Conversions

Conversions Part 1

Format	Color
Hex	007EE0
RGB	0, 126, 224
RGB Percent	0%, 49%, 88%
CMY	0.9998, 0.5059, 0.1216
CMYK	1.00, 0.44, 0.00, 0.12
HSL	206°, 100%, 44%
HSV	206°, 100%, 88%
XYZ	20.9154, 20.3035, 73.3376
YIQ	99.4980, -106.5540, 3.7660

Conversions

Conversions Part 2

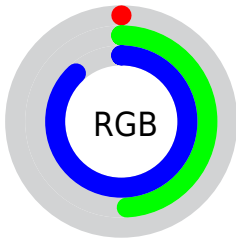
Format	Color
R _{YB}	0, 81, 224
Decimal	32480
CIE Lab	52.18, 7.99, -57.77
CIE LCh	52, 58.316, 277.876
Yxy	20.3035, 0.1826, 0.1772
Android (android.graphics.Color)	4278222560 (0xFF007EE0)
YUV	99.4980, 61.3795, -87.2597
Hunter-Lab	45.0594, 4.0011, -64.9574

Details

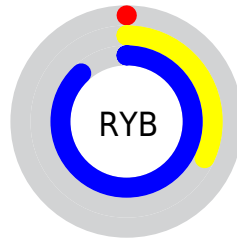
The XYZ color **20.9154, 20.3035, 73.3376** is a dark color, and the websafe version is hex **3399FF**. The color can be described as dark washed azure. A complement of this color would be **35.1142, 24.5939, 2.8981**, and the grayscale version is **11.8590, 12.4766, 13.5871**.

A 20% lighter version of the original color is **39.6793, 42.0038, 100.6240**, and **9.7923, 8.2759, 38.1271** is the 20% darker color. If you saturate the color by 10%, you get **20.9123, 20.2972, 73.3370**, and if you desaturate by 10%, it is **22.5722, 23.1106, 73.7926**.

Distribution



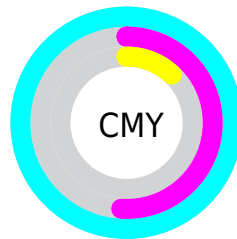
- Red (0%)
- Green (49%)
- Blue (88%)



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



- Cyan (100%)
- Magenta (44%)
- Yellow (0%)
- Black (12%)



- Cyan (100%)
- Magenta (51%)
- Yellow (12%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.9154, 20.3035, 73.3376 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 20.9154, 20.3035, 73.3376 by changing the saturation by 10% instead.

■ 20.9154, 20.3035,
73.3376

■ 20.9154, 20.3035,
73.3376

249.5688,
253.5534, 491.2862

■ 13.1743, 12.6159,
53.7586

■ 44.4390, 43.9254,
125.6817

■ 7.6265, 7.1646,
38.0168

■ 60.9523, 60.6285,
159.2839

■ 3.9067, 3.5652,
25.6938

■ 81.1202, 81.1055,
198.3975

■ 1.6495, 1.4335,
16.3710

■ 105.3083,
105.7409, 243.4411

■ 0.4243, 0.2412,
9.6299

■ 133.8819,
134.9189, 294.8332

■ 0.0000, 0.0000,
5.0519

167.2062,

■ 0.0000, 0.0000,

169.0241, 352.9924

2.2185

205.6467,
208.4408, 418.3372

■ 0.0000, 0.0000,
0.6850

■ 0.0000, 0.0000,
0.0000

■ 20.9154, 20.3035,
73.3376

■ 20.9154, 20.3035,
73.3376

■ 20.9123, 20.2972,
73.3370

■ 22.5722, 23.1106,
73.7926

■ 24.7488, 26.3730,
74.3076

■ 27.5766, 30.1631,
74.8901

■ 31.1312, 34.5248,
75.5447

■ 35.4768, 39.4956,
76.2751

■ 40.6700, 45.1090,
77.0848

■ 46.7615, 51.3953,
77.9772

■ 53.7981, 58.3827,
78.9550

■ 61.8229, 66.0974,
80.0211

Harmonies

Analogous

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



15.2866, 20.3035, 68.7394



20.9154, 20.3035, 73.3376



27.2455, 20.3035, 59.5746

Triad

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



20.9154, 20.3035, 73.3376



29.8605, 20.3035, 7.4347



10.4919, 20.3035, 11.8870

Complementary

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



20.9154, 20.3035, 73.3376



35.1142, 24.5939, 2.8981

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.



13.0689, 20.3035, 4.9788



20.9154, 20.3035, 73.3376



23.9558, 20.3035, 3.4894

Square

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



20.9154, 20.3035, 73.3376



33.0613, 20.3035, 17.8979



17.7660, 20.3035, 2.9082



10.0083, 20.3035, 26.9293

Rectangle

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



20.9154, 20.3035, 73.3376



30.7541, 20.3035, 44.6234



17.7660, 20.3035, 2.9082



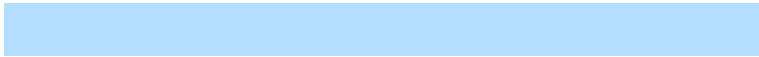
11.1119, 20.3035, 8.8211

Sweetspot

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



20.9163, 20.3041, 73.3382



62.5197, 68.7335, 104.5795



28.8189, 54.1770, 20.2721



12.6093, 13.9232, 22.2728



0.0000, 0.0000, 0.0000



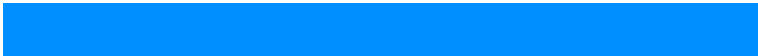
20.3446, 21.4041, 23.3091

Same Dimension

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



20.9163, 20.3041, 73.3382



27.9339, 26.9878, 98.3446



13.6260, 5.7235, 70.9081



13.5884, 14.5158, 17.4733



12.2888, 12.0472, 42.7260



0.9405, 1.0124, 2.9911

Inverse Universe

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



34.5072, 17.3550, 21.2700



46.2289, 23.2556, 28.2014



53.5589, 61.4834, 9.0463



14.0284, 13.8290, 15.9199



20.1430, 10.1242, 12.6848



1.4410, 0.7197, 1.1150

Previews

White Background



This preview shows how the XYZ color 20.9154, 20.3035, 73.3376 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 20.9154, 20.3035, 73.3376 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

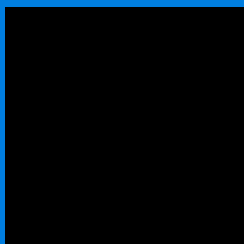
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

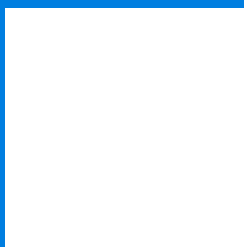
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 20.9154, 20.3035, 73.3376

Background



This preview shows how black text looks on a background with the XYZ color 20.9154, 20.3035, 73.3376.



This preview shows how white text looks on a background with the XYZ color 20.9154, 20.3035,

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

20.9154, 20.3035, 73.3376

Protanopia

22.7654, 20.4089, 69.7573

Deuteranopia

20.9154, 20.3035, 73.3376



Tritanopia

14.3549, 20.2835, 30.7623

Trichromacy



Original Color

20.9154, 20.3035, 73.3376

Protanomaly

21.4495, 20.0645, 71.1489

Deuteranomaly

20.9154, 20.3035, 73.3376

Tritanomaly

16.2630, 20.1453, 43.5887

Monochromacy



Original Color

20.9154, 20.3035, 73.3376

Achromatopsia

12.1130, 12.7438, 13.8780

Achromatomaly

12.6938, 14.0716, 28.8351

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.9154, 20.3035, 73.3376 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, 224)` looks like.

```
.text, #text, p{  
    color:rgb(0, 126, 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, 126, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 126, 224) }
```

Border

The CSS property to change the border of an element to XYZ 20.9154, 20.3035, 73.3376 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, 224) }
```


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

```
.border{ border-color:rgb(0, 126, 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, 126, 224)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 126, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 126, 224);  
box-shadow:4px 4px 4px 4px rgb(0, 126,  
224) }
```

Background

The CSS property to change the background color of an element to XYZ 20.9154, 20.3035, 73.3376 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, 224) }
```

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

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