

Converting Colors

XYZ(2.2808, 10.5738, 73.0650)

Have a look what the booklet for
XYZ(2.2808, 10.5738, 73.0650)
contains.

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Color

**XYZ(20.9242, 20.1035,
74.0117)**

Conversions

Conversions Part 1

Format	Color
Hex	007DE1
RGB	0, 125, 225
RGB Percent	0%, 49%, 88%
CMY	0.9998, 0.5098, 0.1176
CMYK	1.00, 0.44, 0.00, 0.12
HSL	207°, 100%, 44%
HSV	207°, 100%, 88%
XYZ	20.9242, 20.1035, 74.0117
YIQ	99.0250, -106.6000, 4.6000

Conversions

Conversions Part 2

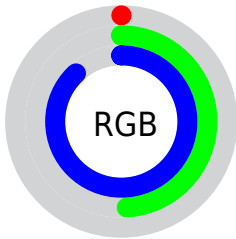
Format	Color
RYB	0, 80, 225
Decimal	32225
CIELab	51.95, 9.00, -58.69
CIELCh	52, 59.375, 278.720
Yxy	20.1035, 0.1819, 0.1748
Android (android.graphics.Color)	4278222305 (0xFF007DE1)
YUV	99.0250, 62.1057, -86.8449
Hunter-Lab	44.8369, 4.8366, -66.4833

Details

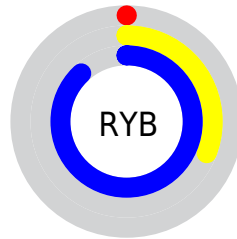
The XYZ color **20.9242, 20.1035, 74.0117** is a dark color, and the websafe version is hex **0066CC**. The color can be described as dark washed azure. A complement of this color would be **35.6141, 25.1324, 2.9755**, and the grayscale version is **11.7382, 12.3495, 13.4486**.

A 20% lighter version of the original color is **39.4811, 41.6073, 100.5579**, and **9.8153, 8.1723, 38.5962** is the 20% darker color. If you saturate the color by 10%, you get **20.9214, 20.0977, 74.0112**, and if you desaturate by 10%, it is **22.5983, 22.9421, 74.4718**.

Distribution



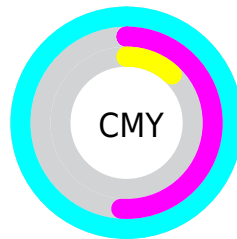
- Red (0%)
- Green (49%)
- Blue (88%)



- Red (0%)
- Yellow (31%)
- 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 20.9242, 20.1035, 74.0117 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 20.9242, 20.1035, 74.0117 by changing the saturation by 10% instead.

■ 20.9242, 20.1035,
74.0117

■ 20.9242, 20.1035,
74.0117

249.6147,
252.4749, 493.6782

■ 13.1808, 12.4703,
54.3068

■ 44.4536, 43.5906,
126.6466

■ 7.6310, 7.0648,
38.4521

■ 60.9702, 60.2134,
160.4136

■ 3.9096, 3.5027,
26.0292

■ 81.1420, 80.6014,
199.7051

■ 1.6511, 1.3995,
16.6196

■ 105.3342,
105.1391, 244.9396

■ 0.4254, 0.2163,
9.8045

■ 133.9122,
134.2109, 296.5356

■ 0.0000, 0.0000,
5.1656

167.2414,

■ 0.0000, 0.0000,

168.2012, 354.9117

2.2843

205.6871,
207.4944, 420.4864

■ 0.0000, 0.0000,
0.7224

■ 0.0000, 0.0000,
0.0000

■ 20.9242, 20.1035,
74.0117

■ 20.9242, 20.1035,
74.0117

■ 20.9214, 20.0977,
74.0112

■ 22.5983, 22.9421,
74.4718

■ 24.8015, 26.2479,
74.9938

■ 27.6663, 30.0946,
75.5853

■ 31.2694, 34.5266,
76.2509

■ 35.6759, 39.5824,
76.9945

■ 40.9432, 45.2959,
77.8197

■ 47.1227, 51.6983,
78.7298

■ 54.2618, 58.8182,
79.7278

■ 62.4042, 66.6825,
80.8166

Harmonies

Analogous

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



15.1933, 20.1035, 69.8476



20.9242, 20.1035, 74.0117



27.3369, 20.1035, 59.4727

Triad

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



20.9242, 20.1035, 74.0117



29.6832, 20.1035, 6.9743



10.1965, 20.1035, 11.8969

Complementary

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



20.9242, 20.1035, 74.0117



35.6141, 25.1324, 2.9755

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.



12.7219, 20.1035, 4.8379



20.9242, 20.1035, 74.0117



23.6427, 20.1035, 3.2180

Square

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



20.9242, 20.1035, 74.0117



33.0485, 20.1035, 17.2216



17.3996, 20.1035, 2.7212



9.7698, 20.1035, 27.3323

Rectangle

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



20.9242, 20.1035, 74.0117



30.8585, 20.1035, 44.1134



17.3996, 20.1035, 2.7212



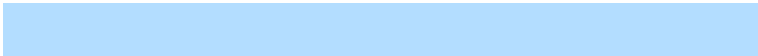
10.7980, 20.1035, 8.7582

Sweetspot

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



20.9251, 20.1041, 74.0122



62.3794, 68.4529, 104.5327



29.1086, 54.7241, 20.4681



12.5761, 13.8566, 22.2617



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.



20.9251, 20.1041, 74.0122



27.6695, 26.4591, 98.2565



13.7629, 5.7797, 71.6249



13.5802, 14.4995, 17.4706



12.1741, 11.8179, 42.6878



0.9327, 0.9970, 2.9885

Inverse Universe

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



34.7539, 17.4895, 20.9464



46.0955, 23.2022, 27.4987



54.0995, 62.1030, 9.1373



14.0243, 13.8274, 15.8983



20.0851, 10.1011, 12.3801



1.4371, 0.7181, 1.0944

Previews

White Background



This preview shows how the XYZ color 20.9242, 20.1035, 74.0117 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 20.9242, 20.1035, 74.0117 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

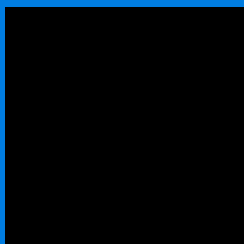
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

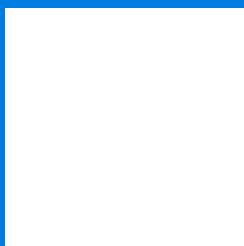
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 20.9242, 20.1035, 74.0117

Background



This preview shows how black text looks on a background with the XYZ color 20.9242, 20.1035, 74.0117.



This preview shows how white text looks on a background with the XYZ color 20.9242, 20.1035,

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

20.9242, 20.1035, 74.0117

Protanopia

22.6152, 20.1367, 70.4050

Deuteranopia

20.6457, 20.1956, 71.9172



Tritanopia

14.1340, 19.9666, 30.3031

Trichromacy



Original Color

20.9242, 20.1035, 74.0117

Protanomaly

21.3633, 19.8214, 71.8072

Deuteranomaly

20.7801, 20.2494, 72.6253

Tritanomaly

16.1254, 19.8702, 43.5429

Monochromacy



Original Color

20.9242, 20.1035, 74.0117

Achromatopsia

11.8596, 12.4772, 13.5877

Achromatomaly

12.5233, 13.8262, 28.7967

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.9242, 20.1035, 74.0117 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, 125, 225)` looks like.

```
.text, #text, p{  
    color:rgb(0, 125, 225)  
}
```

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, 125, 225) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 125, 225) }
```

Border

The CSS property to change the border of an element to XYZ 20.9242, 20.1035, 74.0117 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, 125, 225) }
```


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

```
.border{ border-color:rgb(0, 125, 225) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 125, 225)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 125, 225); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 125, 225);  
box-shadow:4px 4px 4px 4px rgb(0, 125,  
225) }
```

Background

The CSS property to change the background color of an element to XYZ 20.9242, 20.1035, 74.0117 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 125, 225) }
```

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

```
.background{ background-color: rgb(0, 125,  
225) }
```

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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