

Converting Colors

XYZ(9.2564, 15.0476, 67.8489)

Have a look what the booklet for
XYZ(9.2564, 15.0476, 67.8489)
contains.

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Color

**XYZ(20.3746, 20.7103,
68.5693)**

Conversions

Conversions Part 1

Format	Color
Hex	0081D9
RGB	0, 129, 217
RGB Percent	0%, 51%, 85%
CMY	0.9998, 0.4941, 0.1490
CMYK	1.00, 0.41, 0.00, 0.15
HSL	204°, 100%, 43%
HSV	204°, 100%, 85%
XYZ	20.3746, 20.7103, 68.5693
YIQ	100.4610, -105.1320, 0.0200

Conversions

Conversions Part 2

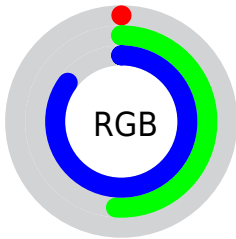
Format	Color
RYB	0, 81, 217
Decimal	33241
CIELab	52.63, 3.42, -53.10
CIELCh	53, 53.210, 273.682
Yxy	20.7103, 0.1858, 0.1889
Android (android.graphics.Color)	4278223321 (0xFF0081D9)
YUV	100.4610, 57.4537, -88.1043
Hunter-Lab	45.5086, 0.2761, -57.4782

Details

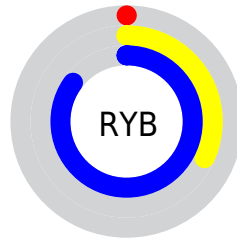
The XYZ color **20.3746, 20.7103, 68.5693** is a dark color, and the websafe version is hex **0099FF**. The color can be described as dark washed azure. A complement of this color would be **32.1092, 21.7389, 2.5050**, and the grayscale version is **12.1116, 12.7423, 13.8764**.

A 20% lighter version of the original color is **40.0534, 43.0925, 100.8144**, and **9.3755, 8.4581, 34.8566** is the 20% darker color. If you saturate the color by 10%, you get **20.3724, 20.7057, 68.5690**, and if you desaturate by 10%, it is **21.9100, 23.2980, 68.9883**.

Distribution



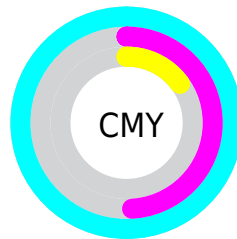
- Red (0%)
- Green (51%)
- Blue (85%)



- Red (0%)
- Yellow (32%)
- Blue (85%)



- Cyan (100%)
- Magenta (41%)
- Yellow (0%)
- Black (15%)



- Cyan (100%)
- Magenta (49%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.3746, 20.7103, 68.5693 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 20.3746, 20.7103, 68.5693 by changing the saturation by 10% instead.

■ 20.3746, 20.7103,
68.5693

■ 20.3746, 20.7103,
68.5693

246.7310,
255.7349, 474.1632

■ 12.7775, 12.9124,
49.8914

■ 43.5435, 44.6049,
118.8281

■ 7.3514, 7.3683,
34.9566

■ 59.8460, 61.4704,
151.2461

■ 3.7311, 3.6935,
23.3461

■ 79.7810, 82.1272,
189.0813

■ 1.5512, 1.5036,
14.6416

■ 103.7139,
106.9597, 232.7522

■ 0.3603, 0.2913,
8.4244

■ 132.0099,
136.3524, 282.6772

■ 0.0000, 0.0000,
4.2761

165.0346,

■ 0.0000, 0.0000,

170.6895, 339.2751

1.7780

203.1531,
210.3555, 402.9642

■ 0.0000, 0.0000,
0.4134

■ 0.0000, 0.0000,
0.0000

■ 20.3746, 20.7103,
68.5693

■ 20.3746, 20.7103,
68.5693

■ 20.3724, 20.7057,
68.5690

■ 21.9100, 23.2980,
68.9883

■ 23.9119, 26.2778,
69.4580

■ 26.5033, 29.7169,
69.9852

■ 29.7535, 33.6543,
70.5739

■ 33.7211, 38.1234,
71.2274

■ 38.4578, 43.1542,
71.9488

■ 44.0101, 48.7735,
72.7408

■ 50.4207, 55.0064,
73.6060

■ 57.7289, 61.8761,
74.5468

Harmonies

Analogous

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



15.3408, 20.7103, 62.2853



20.3746, 20.7103, 68.5693



26.1826, 20.7103, 58.5179

Triad

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



20.3746, 20.7103, 68.5693



29.9125, 20.7103, 9.5366



11.6160, 20.7103, 11.5731

Complementary

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



20.3746, 20.7103, 68.5693



32.1092, 21.7389, 2.5050

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.



14.3617, 20.7103, 5.5267



20.3746, 20.7103, 68.5693



24.7794, 20.7103, 4.7964

Square

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



20.3746, 20.7103, 68.5693



32.3013, 20.7103, 20.6522



19.0102, 20.7103, 3.7773



10.8732, 20.7103, 24.5606

Rectangle

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



20.3746, 20.7103, 68.5693



29.5436, 20.7103, 45.7918



19.0102, 20.7103, 3.7773



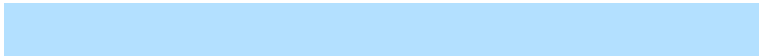
12.3063, 20.7103, 8.9053

Sweetspot

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



20.3755, 20.7109, 68.5699



63.1728, 70.0397, 104.7972



26.5269, 50.3117, 17.2931



12.7645, 14.2335, 22.3245



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.



20.3755, 20.7109, 68.5699



29.2084, 29.5367, 98.7695



12.8071, 5.5741, 66.0470



12.9789, 13.8976, 16.6506



12.4385, 12.7464, 41.5431



0.8896, 0.9933, 2.7193

Inverse Universe

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



32.5785, 16.3378, 22.2057



46.8722, 23.5129, 31.5889



48.1993, 53.9191, 7.8684



13.3792, 13.1808, 15.2582



19.7737, 9.9105, 13.7203



1.3233, 0.6590, 1.1116

Previews

White Background



This preview shows how the XYZ color 20.3746, 20.7103, 68.5693 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 20.3746, 20.7103, 68.5693 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 20.3746, 20.7103, 68.5693

Background



This preview shows how black text looks on a background with the XYZ color 20.3746, 20.7103, 68.5693.



This preview shows how white text looks on a background with the XYZ color 20.3746, 20.7103,

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

20.3746, 20.7103, 68.5693

Protanopia

22.6169, 20.6469, 63.7660

Deuteranopia

21.5597, 20.9188, 69.2311



Tritanopia

14.6574, 20.6352, 31.6442

Trichromacy



Original Color

20.3746, 20.7103, 68.5693

Protanomaly

20.9747, 20.3121, 65.7659

Deuteranomaly

20.9697, 20.8074, 69.2407

Tritanomaly

16.3040, 20.3839, 43.1196

Monochromacy



Original Color

20.3746, 20.7103, 68.5693

Achromatopsia

12.1130, 12.7438, 13.8780

Achromatomaly

12.7567, 14.4420, 28.1018

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.3746, 20.7103, 68.5693 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, 129, 217)` looks like.

```
.text, #text, p{  
    color:rgb(0, 129, 217)  
}
```

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, 129, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 129, 217) }
```

Border

The CSS property to change the border of an element to XYZ 20.3746, 20.7103, 68.5693 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, 129, 217) }
```


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

```
.border{ border-color:rgb(0, 129, 217) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 129, 217)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 129, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 129, 217);  
box-shadow:4px 4px 4px 4px rgb(0, 129,  
217) }
```

Background

The CSS property to change the background color of an element to XYZ 20.3746, 20.7103, 68.5693 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 129, 217) }
```

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

```
.background{ background-color: rgb(0, 129,  
217) }
```

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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