

Converting Colors

XYZ(20.3571, 20.2151, 69.3559)

Have a look what the booklet for
XYZ(20.3571, 20.2151, 69.3559)
contains.

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Color

**XYZ(20.3694, 20.3052,
69.1754)**

Conversions

Conversions Part 1

Format	Color
Hex	0A7FDA
RGB	10, 127, 218
RGB Percent	4%, 50%, 85%
CMY	0.9606, 0.5020, 0.1451
CMYK	0.95, 0.42, 0.00, 0.15
HSL	206°, 91%, 45%
HSV	206°, 95%, 85%
XYZ	20.3694, 20.3052, 69.1754
YIQ	102.3910, -98.9430, 3.4970

Conversions

Conversions Part 2

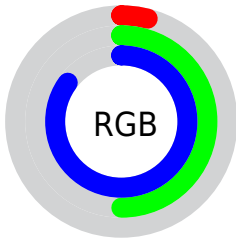
Format	Color
R_{YB}	10, 85, 218
Decimal	688090
CIE _{Lab}	52.18, 5.33, -54.38
CIE _{LCh}	52, 54.642, 275.601
Yxy	20.3052, 0.1854, 0.1848
Android (android.graphics.Color)	4278878170 (0xFF0A7FDA)
YUV	102.3910, 56.9952, -81.0269
Hunter-Lab	45.0613, 1.8315, -59.4756

Details

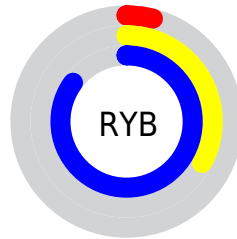
The XYZ color **20.3694, 20.3052, 69.1754** is a dark color, and the websafe version is hex **3399FF**. The color can be described as dark washed azure. A complement of this color would be **33.6273, 24.2448, 3.1960**, and the grayscale version is **12.6098, 13.2664, 14.4472**.

A 20% lighter version of the original color is **39.8790, 42.4033, 100.6905**, and **9.3176, 8.2006, 35.2742** is the 20% darker color. If you saturate the color by 10%, you get **19.6887, 19.1295, 68.9848**, and if you desaturate by 10%, it is **22.1265, 23.1277, 69.6281**.

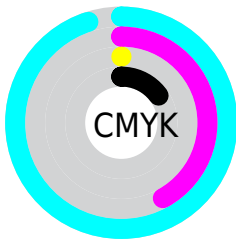
Distribution



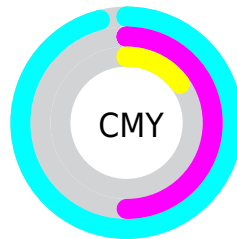
- Red (4%)
- Green (50%)
- Blue (85%)



- Red (4%)
- Yellow (33%)
- Blue (85%)



- Cyan (95%)
- Magenta (42%)
- Yellow (0%)
- Black (15%)



- Cyan (96%)
- Magenta (50%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.3694, 20.3052, 69.1754 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 20.3694, 20.3052, 69.1754 by changing the saturation by 10% instead.

■ 20.3694, 20.3052,
69.1754

■ 20.3694, 20.3052,
69.1754

246.7036,
253.5626, 476.3600

■ 12.7737, 12.6171,
50.3819

■ 43.5349, 43.9283,
119.7021

■ 7.3488, 7.1654,
35.3437

■ 59.8353, 60.6320,
152.2725

■ 3.7294, 3.5658,
23.6420

■ 79.7681, 81.1098,
190.2722

■ 1.5502, 1.4338,
14.8586

■ 103.6985,
105.7460, 234.1198

■ 0.3596, 0.2414,
8.5747

■ 131.9919,
134.9250, 284.2338

■ 0.0000, 0.0000,
4.3718

165.0136,

■ 0.0000, 0.0000,

169.0311, 341.0328

1.8315

203.1291,
208.4489, 404.9354

■ 0.0000, 0.0000,
0.4486

■ 0.0000, 0.0000,
0.0000

■ 20.3694, 20.3052,
69.1754

■ 20.3694, 20.3052,
69.1754

■ 19.6887, 19.1295,
68.9848

■ 22.1265, 23.1277,
69.6281

■ 24.4489, 26.4192,
70.1410

■ 27.4169, 30.2258,
70.7193

■ 31.0956, 34.5853,
71.3669

■ 35.5414, 39.5308,
72.0871

■ 40.8045, 45.0923,
72.8832

■ 46.9307, 51.2973,
73.7580

■ 53.9619, 58.1711,
74.7142

■ 61.9373, 65.7375,
75.7543

Harmonies

Analogous

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



15.1854, 20.3052, 63.7486



20.3694, 20.3052, 69.1754



26.2691, 20.3052, 57.8447

Triad

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



20.3694, 20.3052, 69.1754



29.4424, 20.3052, 8.5797



11.0621, 20.3052, 11.6622

Complementary

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



20.3694, 20.3052, 69.1754



33.6273, 24.2448, 3.1960

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.



13.6865, 20.3052, 5.3217



20.3694, 20.3052, 69.1754



24.0967, 20.3052, 4.2402

Square

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



20.3694, 20.3052, 69.1754



32.1180, 20.3052, 19.2342



18.2677, 20.3052, 3.4311



10.4460, 20.3052, 25.2567

Rectangle

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



20.3694, 20.3052, 69.1754



29.6145, 20.3052, 44.5009



18.2677, 20.3052, 3.4311



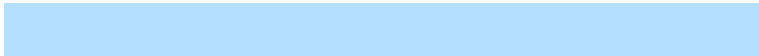
11.7099, 20.3052, 8.8648

Sweetspot

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



20.3703, 20.3058, 69.1759



63.4091, 69.6325, 104.7061



27.5055, 51.1313, 20.5175



12.7793, 14.0979, 22.2976



0.0000, 0.0000, 0.0000



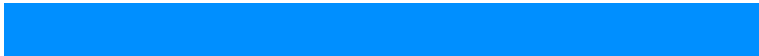
20.3446, 21.4041, 23.3091

Same Dimension

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



20.3703, 20.3058, 69.1759



27.9342, 26.9885, 98.3447



13.1057, 5.7766, 66.7544



12.9432, 13.8261, 16.6387



11.9044, 11.6783, 41.3651



0.8565, 0.9270, 2.7082

Inverse Universe

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



32.8536, 16.6561, 21.5623



46.2291, 23.2556, 28.2023



50.5943, 58.1786, 8.8516



13.3612, 13.1736, 15.1632



19.5041, 9.8027, 12.3008



1.3066, 0.6523, 1.0234

Previews

White Background



This preview shows how the XYZ color 20.3694, 20.3052, 69.1754 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 20.3694, 20.3052, 69.1754 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

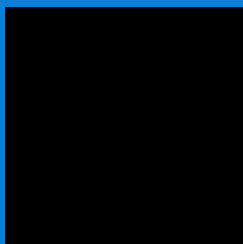
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

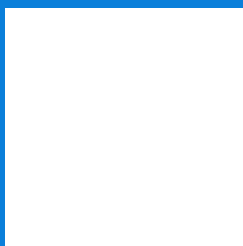
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 20.3694, 20.3052, 69.1754

Background



This preview shows how black text looks on a background with the XYZ color 20.3694, 20.3052, 69.1754.



This preview shows how white text looks on a background with the XYZ color 20.3694, 20.3052,

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

20.3694, 20.3052, 69.1754

Protanopia

22.3772, 20.3130, 65.0288

Deuteranopia

20.9908, 20.4348, 69.1676



Tritanopia

14.3549, 20.2835, 30.7623

Trichromacy



Original Color

20.3694, 20.3052, 69.1754

Protanomaly

20.9079, 19.8908, 66.3557

Deuteranomaly

20.6224, 20.2449, 69.1504

Tritanomaly

16.1180, 20.0931, 42.5640

Monochromacy



Original Color

20.3694, 20.3052, 69.1754

Achromatopsia

12.6291, 13.2868, 14.4694

Achromatomaly

13.1727, 14.6477, 28.5186

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.3694, 20.3052, 69.1754 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(10, 127, 218)` looks like.

```
.text, #text, p{  
    color:rgb(10, 127, 218)  
}
```

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(10, 127, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(10, 127, 218) }
```

Border

The CSS property to change the border of an element to XYZ 20.3694, 20.3052, 69.1754 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(10, 127, 218) }
```


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

```
.border{ border-color:rgb(10, 127, 218) }
```

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

Here you see how a box with a 4 pixel rgb(10, 127, 218) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(10, 127, 218); -webkit-box-  
shadow:4px 4px 4px 4px rgb(10, 127, 218);  
box-shadow:4px 4px 4px 4px rgb(10, 127,  
218) }
```

Background

The CSS property to change the background color of an element to XYZ 20.3694, 20.3052, 69.1754 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(10, 127, 218) }
```

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

```
.background{ background-color: rgb(10, 127,  
218) }
```

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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