

Converting Colors

XYZ(20.6944, 10.3406, 95.5130)

Have a look what the booklet for
XYZ(20.6944, 10.3406, 95.5130)
contains.

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Color

**XYZ(20.7020, 10.3445,
95.5133)**

Conversions

Conversions Part 1

Format	Color
Hex	3533FF
RGB	53, 51, 255
RGB Percent	21%, 20%, 100%
CMY	0.7921, 0.8000, 0.0000
CMYK	0.79, 0.80, 0.00, 0.00
HSL	241°, 100%, 60%
HSV	241°, 80%, 100%
XYZ	20.7020, 10.3445, 95.5133
YIQ	74.8540, -64.2920, 63.8680

Conversions

Conversions Part 2

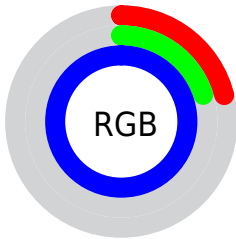
Format	Color
R _Y B	53, 51, 255
Decimal	3486719
CIE Lab	38.45, 66.12, -97.57
CIE LCh	38, 117.862, 304.125
Yxy	10.3445, 0.1636, 0.0817
Android (android.graphics.Color)	4281676799 (0xFF3533FF)
YUV	74.8540, 88.8120, -19.1660
Hunter-Lab	32.1629, 58.6086, -153.5581

Details

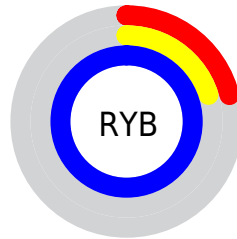
The XYZ color **20.7020, 10.3445, 95.5133** is a dark color, and the websafe version is hex **3333FF**. The color can be described as dark washed blue. A complement of this color would be **76.8571, 92.6373, 16.9614**, and the grayscale version is **6.5164, 6.8557, 7.4659**.

A 20% lighter version of the original color is **32.6329, 21.7911, 97.0939**, and **10.0780, 4.0312, 53.0703** is the 20% darker color. If you saturate the color by 10%, you get **18.8809, 8.1803, 95.1916**, and if you desaturate by 10%, it is **23.8323, 14.0883, 96.0709**.

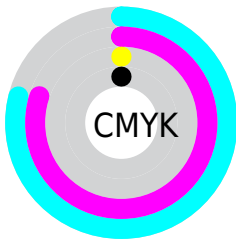
Distribution



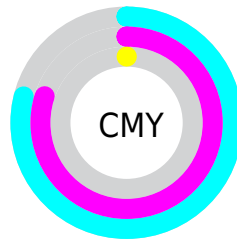
- Red (21%)
- Green (20%)
- Blue (100%)



- Red (21%)
- Yellow (20%)
- Blue (100%)



- Cyan (79%)
- Magenta (80%)
- Yellow (0%)
- Black (0%)





- Cyan (79%)
- Magenta (80%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.7020, 10.3445, 95.5133 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 20.7020, 10.3445, 95.5133 by changing the saturation by 10% instead.


 20.7020, 10.3445,
95.5133


 20.7020, 10.3445,
95.5133


248.4523,
193.1135, 566.8332


 13.0176, 5.6280,
71.9630


 44.0861, 26.4415,
156.9752


 7.5177, 2.6202,
52.6418


 60.5164, 38.5907,
195.7240

 3.8371, 0.9368,
37.1311


 80.5928, 53.9863,
240.3759

 1.6104, 0.0000,
25.0125

 104.6805, 73.0127,
291.3497

 0.3992, 0.0000,
15.8672

 133.1450, 96.0542,
349.0637

 0.0000, 0.0000,
9.2769

 166.3515,

 0.0000, 0.0000,

123.4952, 413.9367

4.8230

204.6655,
155.7202, 486.3870

■ 0.0000, 0.0000,
2.0869

■ 0.0000, 0.0000,
0.6079

■ 20.7020, 10.3445,
95.5133

■ 20.7020, 10.3445,
95.5133

■ 18.8809, 8.1803,
95.1916

■ 23.8323, 14.0883,
96.0709

■ 18.0817, 7.2363,
95.0515

■ 28.4533, 19.6357,
96.8982

■ 34.7202, 27.1752,
98.0231

■ 42.7680, 36.8714,
99.4705

■ 52.7181, 48.8720,
101.2624

■ 64.6809, 63.3115,
103.4190

■ 78.7587, 80.3142,
105.9589

■ 95.0465, 99.9957,
108.8994

■ 95.0500, 100.0000,
108.9000

Harmonies

Analogous

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



10.9365, 10.3445, 128.6611



20.7020, 10.3445, 95.5133



30.0868, 10.3445, 41.7702

Triad

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



20.7020, 10.3445, 95.5133



17.8162, 10.3445, 0.0000



1.2228, 10.3445, 14.5984

Complementary

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



20.7020, 10.3445, 95.5133



76.8571, 92.6373, 16.9614

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.



1.6197, 10.3445, 1.0411



20.7020, 10.3445, 95.5133



8.8048, 10.3445, 0.0000

Square

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



20.7020, 10.3445, 95.5133



27.8966, 10.3445, 0.0125



3.6438, 10.3445, 0.0000



1.9615, 10.3445, 55.7544

Rectangle

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



20.7020, 10.3445, 95.5133



33.1512, 10.3445, 16.1874



3.6438, 10.3445, 0.0000



1.2326, 10.3445, 7.4553

Sweetspot

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



20.7027, 10.3446, 95.5133



59.6500, 57.2379, 102.5119



55.1750, 79.4437, 107.0339



11.8678, 11.1652, 21.7796



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.



20.7027, 10.3446, 95.5133



18.3213, 7.5242, 95.0944



32.3700, 16.3593, 96.0593



17.0197, 17.3864, 22.7088



9.4553, 3.7848, 49.6668



0.9262, 0.3714, 4.8361

Inverse Universe

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



60.1496, 30.7176, 95.6682



59.0123, 28.5461, 94.9715



49.4938, 78.5310, 15.6808



18.7845, 18.2971, 22.7482



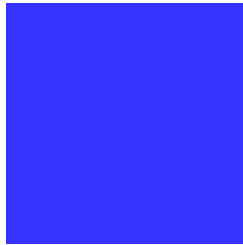
30.7725, 14.7983, 49.5800



2.9986, 1.4418, 4.8402

Previews

White Background



This preview shows how the XYZ color 20.7020, 10.3445, 95.5133 looks on a white background.

Color Contrast Check

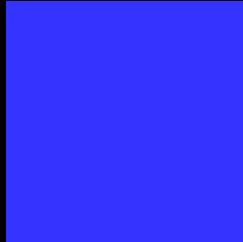
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 20.7020, 10.3445, 95.5133 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

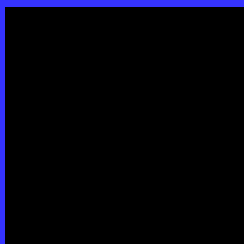
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 20.7020, 10.3445, 95.5133

Background



This preview shows how black text looks on a background with the XYZ color 20.7020, 10.3445, 95.5133.



This preview shows how white text looks on a background with the XYZ color 20.7020, 10.3445,

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

20.7020, 10.3445, 95.5133

Protanopia

11.6683, 9.9918, 45.0297

Deuteranopia

9.6599, 9.9874, 31.9905



Tritanopia

7.0116, 9.9436, 14.9144

Trichromacy



Original Color

20.7020, 10.3445, 95.5133

Protanomaly

14.0363, 9.4576, 60.7602

Deuteranomaly

12.3264, 9.2078, 50.4178

Tritanomaly

9.6310, 8.7111, 34.4315

Monochromacy



Original Color

20.7020, 10.3445, 95.5133

Achromatopsia

6.6877, 7.0360, 7.6622

Achromatomaly

8.9966, 6.9832, 25.6847

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.7020, 10.3445, 95.5133 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(53, 51, 255)` looks like.

```
.text, #text, p{  
    color:rgb(53, 51, 255)  
}
```

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(53, 51, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(53, 51, 255) }
```

Border

The CSS property to change the border of an element to XYZ 20.7020, 10.3445, 95.5133 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(53, 51, 255) }
```


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

```
.border{ border-color:rgb(53, 51, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(53, 51, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(53, 51, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(53, 51, 255);  
box-shadow:4px 4px 4px 4px rgb(53, 51,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 20.7020, 10.3445, 95.5133 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(53, 51, 255) }
```

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

```
.background{ background-color: rgb(53, 51,  
255) }
```

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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