

Converting Colors

XYZ(20.6181, 9.7108, 95.3954)

Have a look what the booklet for
XYZ(20.6181, 9.7108, 95.3954)
contains.

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Color

**XYZ(20.6466, 9.7357,
95.3987)**

Conversions

Conversions Part 1

Format	Color
Hex	3B29FF
RGB	59, 41, 255
RGB Percent	23%, 16%, 100%
CMY	0.7686, 0.8392, 0.0000
CMYK	0.77, 0.84, 0.00, 0.00
HSL	245°, 100%, 58%
HSV	245°, 84%, 100%
XYZ	20.6466, 9.7357, 95.3987
YIQ	70.7780, -57.9660, 70.3700

Conversions

Conversions Part 2

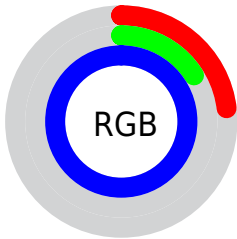
Format	Color
R _Y B	59, 41, 255
Decimal	3877375
CIE Lab	37.36, 70.55, -99.37
CIE LCh	37, 121.868, 305.373
Yxy	9.7357, 0.1641, 0.0774
Android (android.graphics.Color)	4282067455 (0xFF3B29FF)
YUV	70.7780, 90.8214, -10.3293
Hunter-Lab	31.2021, 63.5108, -159.4345

Details

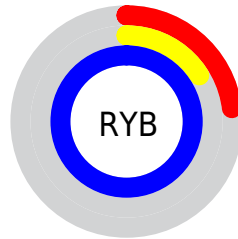
The XYZ color **20.6466, 9.7357, 95.3987** is a dark color, and the websafe version is hex **3333FF**. The color can be described as dark washed blue. A complement of this color would be **71.0776, 89.6807, 15.6612**, and the grayscale version is **5.8117, 6.1143, 6.6585**.

A 20% lighter version of the original color is **32.6234, 20.8077, 96.9046**, and **9.9638, 3.9855, 52.4687** is the 20% darker color. If you saturate the color by 10%, you get **18.9438, 7.9448, 95.1428**, and if you desaturate by 10%, it is **23.5390, 12.9848, 95.8734**.

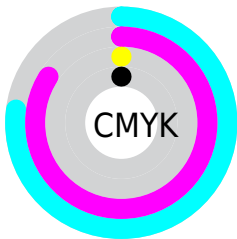
Distribution



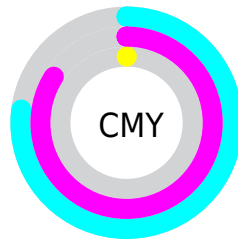
- Red (23%)
- Green (16%)
- Blue (100%)



- Red (23%)
- Yellow (16%)
- Blue (100%)



- Cyan (77%)
- Magenta (84%)
- Yellow (0%)
- Black (0%)



- Cyan (77%)
- Magenta (84%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.6466, 9.7357, 95.3987 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 20.6466, 9.7357, 95.3987 by changing the saturation by 10% instead.

■ 20.6466, 9.7357,
95.3987

■ 20.6466, 9.7357,
95.3987

248.1618,
188.7752, 566.4575

■ 12.9769, 5.2241,
71.8681

■ 43.9944, 25.2972,
156.8156

■ 7.4895, 2.3793,
52.5648

■ 60.4031, 37.1158,
195.5391

■ 3.8191, 0.8152,
37.0701

■ 80.4556, 52.1389,
240.1639

■ 1.6003, 0.0000,
24.9656

■ 104.5173, 70.7509,
291.1086

■ 0.3926, 0.0000,
15.8326

■ 132.9533, 93.3361,
348.7918

■ 0.0000, 0.0000,
9.2527

■ 166.1292,

■ 0.0000, 0.0000,

120.2790, 413.6320

4.8073

204.4102,
151.9638, 486.0477

■ 0.0000, 0.0000,
2.0779

■ 0.0000, 0.0000,
0.6026

■ 20.6466, 9.7357,
95.3987

■ 20.6466, 9.7357,
95.3987

■ 18.9438, 7.9448,
95.1428

■ 23.5390, 12.9848,
95.8734

■ 18.3694, 7.3847,
95.0649

■ 27.7874, 17.9203,
96.6022

■ 33.5335, 24.7309,
97.6139

■ 40.9004, 33.5797,
98.9336

■ 49.9985, 44.6123,
100.5836

■ 60.9285, 57.9609,
102.5840

■ 73.7832, 73.7472,
104.9536

■ 88.6492, 92.0843,
107.7095

■ 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.



10.7003, 9.7357, 132.1543



20.6466, 9.7357, 95.3987



30.0972, 9.7357, 39.6240

Triad

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



20.6466, 9.7357, 95.3987



16.8352, 9.7357, 0.0000



0.9762, 9.7357, 15.0546

Complementary

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



20.6466, 9.7357, 95.3987



71.0776, 89.6807, 15.6612

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.



1.2889, 9.7357, 0.9534



20.6466, 9.7357, 95.3987



7.9434, 9.7357, 0.0000

Square

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



20.6466, 9.7357, 95.3987



27.1737, 9.7357, 0.0000



3.0835, 9.7357, 0.0000



1.6956, 9.7357, 58.4630

Rectangle

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



20.6466, 9.7357, 95.3987



33.0185, 9.7357, 14.3742



3.0835, 9.7357, 0.0000



0.9724, 9.7357, 7.5529

Sweetspot

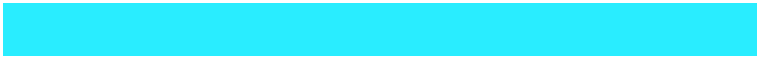
The Sweet Spot groups the original color and five complimentary colors.



20.6473, 9.7358, 95.3987



59.6616, 56.4097, 102.3514



49.2965, 68.3559, 105.2036



11.9175, 11.0315, 21.7511



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.



20.6473, 9.7358, 95.3987



18.3694, 7.3847, 95.0649



34.5331, 16.8941, 96.0485



17.1448, 17.4508, 22.7147



9.6470, 3.8837, 49.6758



0.9855, 0.4020, 4.8389

Inverse Universe

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



57.3155, 28.9585, 82.6721



56.0231, 27.1732, 79.7768



45.3911, 76.4388, 14.4591



18.7228, 18.2724, 22.4233



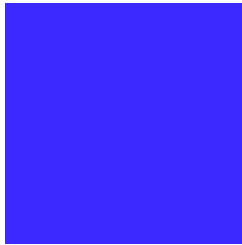
29.3008, 14.2096, 41.8299



2.8716, 1.3910, 4.1712

Previews

White Background



This preview shows how the XYZ color 20.6466, 9.7357, 95.3987 looks on a white background.

Color Contrast Check

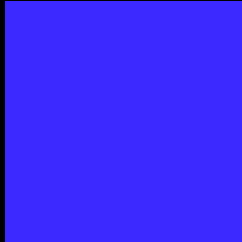
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



This preview shows how the XYZ color 20.6466, 9.7357, 95.3987 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

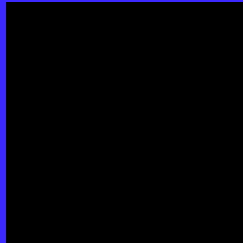
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 20.6466, 9.7357, 95.3987

Background



This preview shows how black text looks on a background with the XYZ color 20.6466, 9.7357, 95.3987.



This preview shows how white text looks on a background with the XYZ color 20.6466, 9.7357,

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

20.6466, 9.7357, 95.3987

Protanopia

11.0068, 9.4752, 42.3231

Deuteranopia

9.1612, 9.5143, 30.2078



Tritanopia

6.6730, 9.5087, 14.0540

Trichromacy



Original Color

20.6466, 9.7357, 95.3987

Protanomaly

13.3958, 8.7015, 58.7311

Deuteranomaly

11.7037, 8.4250, 48.5863

Tritanomaly

9.1347, 7.9358, 33.3981

Monochromacy



Original Color

20.6466, 9.7357, 95.3987

Achromatopsia

5.9891, 6.3010, 6.8618

Achromatomaly

8.5180, 6.2600, 24.8041

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.6466, 9.7357, 95.3987 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(59, 41, 255)` looks like.

```
.text, #text, p{  
    color:rgb(59, 41, 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(59, 41, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(59, 41, 255) }
```

Border

The CSS property to change the border of an element to XYZ 20.6466, 9.7357, 95.3987 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(59, 41, 255) }
```


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

```
.border{ border-color:rgb(59, 41, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(59, 41, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(59, 41, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(59, 41, 255);  
box-shadow:4px 4px 4px 4px rgb(59, 41,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 20.6466, 9.7357, 95.3987 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(59, 41, 255) }
```

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

```
.background{ background-color: rgb(59, 41,  
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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