

Converting Colors

XYZ(20.6884, 9.3081, 95.3140)

Have a look what the booklet for
XYZ(20.6884, 9.3081, 95.3140)
contains.

XYZ(20.7200, 9.3238, 95.3153)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(20.7200, 9.3238,
95.3153)**

Conversions

Conversions Part 1

Format	Color
Hex	411FFF
RGB	65, 31, 255
RGB Percent	25%, 12%, 100%
CMY	0.7450, 0.8785, 0.0000
CMYK	0.75, 0.88, 0.00, 0.00
HSL	249°, 100%, 56%
HSV	249°, 88%, 100%
XYZ	20.7200, 9.3238, 95.3153
YIQ	66.7020, -51.6400, 76.8720

Conversions

Conversions Part 2

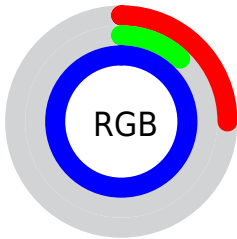
Format	Color
R _Y B	65, 31, 255
Decimal	4268031
CIE Lab	36.60, 74.20, -100.63
CIE LCh	37, 125.027, 306.402
Yxy	9.3238, 0.1653, 0.0744
Android (android.graphics.Color)	4282458111 (0xFF411FFF)
YUV	66.7020, 92.8309, -1.4927
Hunter-Lab	30.5349, 67.6883, -163.7005

Details

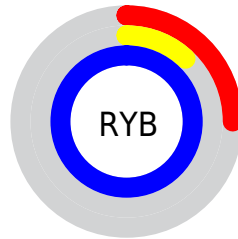
The XYZ color **20.7200, 9.3238, 95.3153** is a dark color, and the websafe version is hex **3300FF**. The color can be described as dark washed blue. A complement of this color would be **65.8187, 86.9873, 14.6169**, and the grayscale version is **5.1534, 5.4218, 5.9043**.

A 20% lighter version of the original color is **32.6951, 19.9502, 96.7353**, and **9.9638, 3.9855, 52.4687** is the 20% darker color. If you saturate the color by 10%, you get **19.1222, 7.8612, 95.1173**, and if you desaturate by 10%, it is **23.3852, 12.1052, 95.7117**.

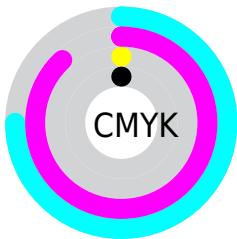
Distribution



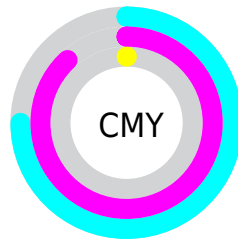
- Red (25%)
- Green (12%)
- Blue (100%)



- Red (25%)
- Yellow (12%)
- Blue (100%)



- Cyan (75%)
- Magenta (88%)
- Yellow (0%)
- Black (0%)



- Cyan (75%)
- Magenta (88%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 20.7200, 9.3238, 95.3153 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 20.7200, 9.3238, 95.3153 by changing the saturation by 10% instead.


 20.7200, 9.3238,
95.3153


 20.7200, 9.3238,
95.3153


248.5467,
185.7754, 566.1840


 13.0308, 4.9530,
71.7991


 44.1159, 24.5156,
156.6995


 7.5269, 2.2197,
52.5087


 60.5532, 36.1054,
195.4045


 3.8430, 0.7307,
37.0257


 80.6373, 50.8703,
240.0095

 1.6137, 0.0000,
24.9315

 104.7336, 69.1947,
290.9331

 0.4013, 0.0000,
15.8074

 133.2072, 91.4631,
348.5939

 0.0000, 0.0000,
9.2351

 166.4237,

 0.0000, 0.0000,

118.0597, 413.4102

4.7960

204.7484,
149.3690, 485.8007

■ 0.0000, 0.0000,
2.0714

■ 0.0000, 0.0000,
0.5987

■ 20.7200, 9.3238,
95.3153

■ 20.7200, 9.3238,
95.3153

■ 19.1222, 7.8612,
95.1173

■ 23.3852, 12.1052,
95.7117

■ 18.8766, 7.6461,
95.0887

■ 27.2837, 16.4583,
96.3465

■ 32.5490, 22.5757,
97.2498

■ 39.2960, 30.6221,
98.4473

■ 47.6275, 40.7429,
99.9617

■ 57.6366, 53.0696,
101.8134

■ 69.4094, 67.7227,
104.0213

■ 83.0258, 84.8140,
106.6025

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.



10.5992, 9.3238, 135.1474



20.7200, 9.3238, 95.3153



30.2292, 9.3238, 37.9435

Triad

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



20.7200, 9.3238, 95.3153



16.1220, 9.3238, 0.0000



0.8181, 9.3238, 15.5899

Complementary

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



20.7200, 9.3238, 95.3153



65.8187, 86.9873, 14.6169

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.



1.0727, 9.3238, 0.9126



20.7200, 9.3238, 95.3153



7.3258, 9.3238, 0.0000

Square

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



20.7200, 9.3238, 95.3153



26.6744, 9.3238, 0.0000



2.6983, 9.3238, 0.0000



1.5245, 9.3238, 61.0133

Rectangle

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



20.7200, 9.3238, 95.3153



33.0238, 9.3238, 13.0219



2.6983, 9.3238, 0.0000



0.8051, 9.3238, 7.7382

Sweetspot

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



20.7207, 9.3238, 95.3153



59.6753, 55.5969, 102.1938



44.5766, 59.4348, 103.7304



11.9650, 10.8993, 21.7231



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.



20.7207, 9.3238, 95.3153



18.8766, 7.6461, 95.0887



36.5795, 17.4994, 96.0575



17.2598, 17.5101, 22.7201



9.9396, 4.0345, 49.6895



1.0395, 0.4298, 4.8414

Inverse Universe

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



54.7777, 27.4587, 70.8029



53.6695, 26.2318, 67.3828



42.3625, 74.8952, 13.5192



18.6671, 18.2502, 22.1301



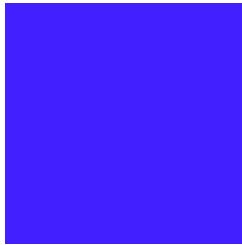
28.0883, 13.7246, 35.4452



2.7656, 1.3486, 3.6129

Previews

White Background



This preview shows how the XYZ color 20.7200, 9.3238, 95.3153 looks on a white background.

Color Contrast Check

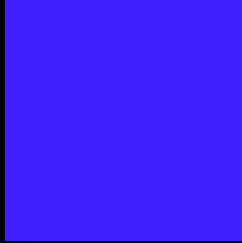
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.7200, 9.3238, 95.3153 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

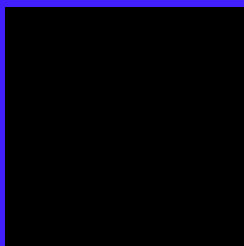
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 20.7200, 9.3238, 95.3153

Background



This preview shows how black text looks on a background with the XYZ color 20.7200, 9.3238, 95.3153.



This preview shows how white text looks on a background with the XYZ color 20.7200, 9.3238,

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

20.7200, 9.3238, 95.3153

Protanopia

10.5601, 9.0517, 40.7257

Deuteranopia

8.7562, 9.0860, 28.8960



Tritanopia

6.3925, 9.1045, 13.4770

Trichromacy



Original Color

20.7200, 9.3238, 95.3153

Protanomaly

12.9337, 8.0610, 57.3742

Deuteranomaly

11.2468, 7.7537, 47.3582

Tritanomaly

8.6948, 7.2292, 32.3896

Monochromacy



Original Color

20.7200, 9.3238, 95.3153

Achromatopsia

5.3350, 5.6128, 6.1124

Achromatomaly

7.9391, 5.5459, 23.5737

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.7200, 9.3238, 95.3153 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(65, 31, 255)` looks like.

```
.text, #text, p{  
    color:rgb(65, 31, 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(65, 31, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(65, 31, 255) }
```

Border

The CSS property to change the border of an element to XYZ 20.7200, 9.3238, 95.3153 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(65, 31, 255) }
```


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

```
.border{ border-color:rgb(65, 31, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(65, 31, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(65, 31, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(65, 31, 255);  
box-shadow:4px 4px 4px 4px rgb(65, 31,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 20.7200, 9.3238, 95.3153 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(65, 31, 255) }
```

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

```
.background{ background-color: rgb(65, 31,  
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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