

Converting Colors

XYZ(20.1481, 8.3025, 95.1088)

Have a look what the booklet for
XYZ(20.1481, 8.3025, 95.1088)
contains.

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Color

**XYZ(20.1644, 8.3100,
95.1490)**

Conversions

Conversions Part 1

Format	Color
Hex	4000FF
RGB	64, 0, 255
RGB Percent	25%, 0%, 100%
CMY	0.7490, 1.0000, 0.0000
CMYK	0.75, 1.00, 0.00, 0.00
HSL	255°, 100%, 50%
HSV	255°, 100%, 100%
XYZ	20.1644, 8.3100, 95.1490
YIQ	48.2060, -43.7110, 92.8730

Conversions

Conversions Part 2

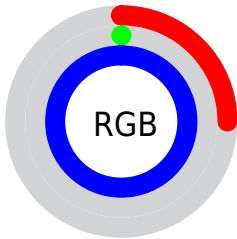
Format	Color
RYB	64, 0, 255
Decimal	4194559
CIELab	34.62, 80.02, -103.93
CIELCh	35, 131.168, 307.592
Yxy	8.3100, 0.1631, 0.0672
Android (android.graphics.Color)	4282384639 (0xFF4000FF)
YUV	48.2060, 101.9494, 13.8513
Hunter-Lab	28.8271, 74.4125, -175.5185

Details

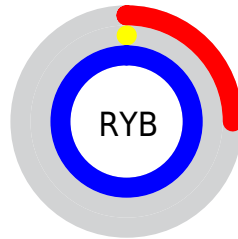
The XYZ color **20.1644, 8.3100, 95.1490** is a dark color, and the websafe version is hex **3300FF**. The color can be described as dark saturated blue. A complement of this color would be **57.2421, 82.5944, 12.9253**, and the grayscale version is **2.7290, 2.8711, 3.1267**.

A 20% lighter version of the original color is **31.8938, 18.0918, 96.4188**, and **9.9638, 3.9855, 52.4687** is the 20% darker color. If you saturate the color by 10%, you get **20.1653, 8.3105, 95.1490**, and if you desaturate by 10%, it is **21.9857, 9.7810, 95.3369**.

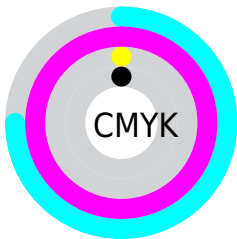
Distribution



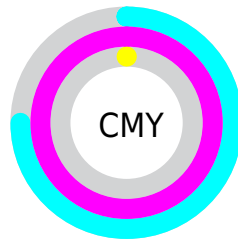
- Red (25%)
- Green (0%)
- Blue (100%)



- Red (25%)
- Yellow (0%)
- Blue (100%)



- Cyan (75%)
- Magenta (100%)
- Yellow (0%)
- Black (0%)



- Cyan (75%)
- Magenta (100%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.1644, 8.3100, 95.1490 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 20.1644, 8.3100, 95.1490 by changing the saturation by 10% instead.

■ 20.1644, 8.3100,
95.1490

■ 20.1644, 8.3100,
95.1490

245.6204,
178.1437, 565.6384

■ 12.6236, 4.2939,
71.6614

■ 43.1945, 22.5640,
156.4678

■ 7.2451, 1.8393,
52.3970

■ 59.4144, 33.5707,
195.1361

■ 3.6635, 0.5115,
36.9372

■ 79.2581, 47.6763,
239.7017

■ 1.5136, 0.0000,
24.8635

■ 103.0910, 65.2654,
290.5831

■ 0.3351, 0.0000,
15.7573

■ 131.2782, 86.7223,
348.1990


■ 0.0000, 0.0000,
9.2001


■ 164.1853,


■ 0.0000, 0.0000,


112.4314, 412.9678


4.7733


 202.1776,
142.7770, 485.3081


 0.0000, 0.0000,
2.0585


 0.0000, 0.0000,
0.5909


 20.1644, 8.3100,
95.1490

 20.1644, 8.3100,
95.1490

 20.1653, 8.3105,
95.1490

 21.9857, 9.7810,
95.3369

 24.7374, 12.4248,
95.7022

 28.5978, 16.5455,
96.2941

 33.6857, 22.3338,
97.1432

■ 40.1031, 29.9512,
98.2752

■ 47.9407, 39.5393,
99.7128

■ 57.2810, 51.2258,
101.4763

■ 68.1996, 65.1273,
103.5841

■ 80.7672, 81.3517,
106.0533

Harmonies

Analogous

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



9.9338, 8.3100, 139.6415



20.1644, 8.3100, 95.1490



29.7422, 8.3100, 35.2102

Triad

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



20.1644, 8.3100, 95.1490



14.6679, 8.3100, 0.0000



0.4689, 8.3100, 15.5790

Complementary

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



20.1644, 8.3100, 95.1490



57.2421, 82.5944, 12.9253

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.



0.6826, 8.3100, 0.6774



20.1644, 8.3100, 95.1490



6.1620, 8.3100, 0.0000

Square

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



20.1644, 8.3100, 95.1490



25.4157, 8.3100, 0.0000



2.0059, 8.3100, 0.0000



1.1342, 8.3100, 63.7242

Rectangle

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



20.1644, 8.3100, 95.1490



32.3900, 8.3100, 10.8727



2.0059, 8.3100, 0.0000



0.4437, 8.3100, 7.4401

Sweetspot

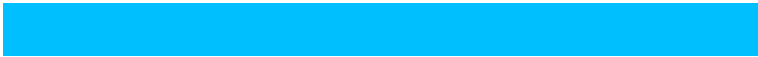
The Sweet Spot groups the original color and five complimentary colors.



20.1653, 8.3105, 95.1490



57.2810, 51.2258, 101.4763



36.7354, 44.5907, 101.2785



11.3773, 9.8534, 21.5522



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.



20.1653, 8.3105, 95.1490



39.5988, 18.3288, 96.0585



17.4302, 17.5980, 22.7280



10.6510, 4.4013, 49.7227



1.1321, 0.4775, 4.8458

Inverse Universe

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



50.6423, 25.0209, 51.4419



37.8581, 72.6016, 12.0182



18.5864, 18.2179, 21.7049



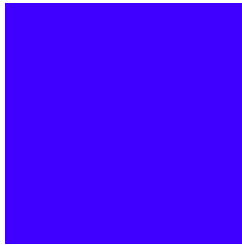
26.5248, 13.0992, 27.2119



2.6264, 1.2929, 2.8801

Previews

White Background



This preview shows how the XYZ color 20.1644, 8.3100, 95.1490 looks on a white background.

Color Contrast Check

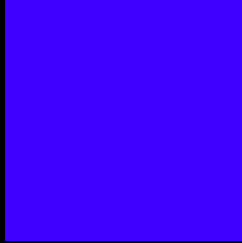
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.1644, 8.3100, 95.1490 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 20.1644, 8.3100, 95.1490

Background



This preview shows how black text looks on a background with the XYZ color 20.1644, 8.3100, 95.1490.



This preview shows how white text looks on a background with the XYZ color 20.1644, 8.3100,

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

20.1644, 8.3100, 95.1490

Protanopia

9.6789, 8.3451, 37.1770

Deuteranopia

8.0562, 8.4201, 26.3999



Tritanopia

5.8524, 8.3267, 12.3651

Trichromacy



Original Color

20.1644, 8.3100, 95.1490

Protanomaly

11.6870, 6.5406, 54.0726

Deuteranomaly

10.1160, 6.1979, 44.9191

Tritanomaly

7.6991, 5.5414, 31.2357

Monochromacy



Original Color

20.1644, 8.3100, 95.1490

Achromatopsia

2.8094, 2.9557, 3.2187

Achromatomaly

5.5865, 3.1943, 19.0610

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.1644, 8.3100, 95.1490 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(64, 0, 255)` looks like.

```
.text, #text, p{  
    color:rgb(64, 0, 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(64, 0, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(64, 0, 255) }
```

Border

The CSS property to change the border of an element to XYZ 20.1644, 8.3100, 95.1490 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(64, 0, 255) }
```

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

```
.border{ border-color:rgb(64, 0, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(64, 0, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(64, 0, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(64, 0, 255);  
box-shadow:4px 4px 4px 4px rgb(64, 0, 255)  
}
```

Background

The CSS property to change the background color of an element to XYZ 20.1644, 8.3100, 95.1490 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(64, 0, 255) }
```

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

```
.background{ background-color: rgb(64, 0,  
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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