

Converting Colors

XYZ(21.2460, 8.8676, 95.1996)

Have a look what the booklet for
XYZ(21.2460, 8.8676, 95.1996)
contains.

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Color

**XYZ(21.2744, 8.8823,
95.2009)**

Conversions

Conversions Part 1

Format	Color
Hex	4F00FF
RGB	79, 0, 255
RGB Percent	31%, 0%, 100%
CMY	0.6902, 1.0000, 0.0000
CMYK	0.69, 1.00, 0.00, 0.00
HSL	259°, 100%, 50%
HSV	259°, 100%, 100%
XYZ	21.2744, 8.8823, 95.2009
YIQ	52.6910, -34.7710, 96.0530

Conversions

Conversions Part 2

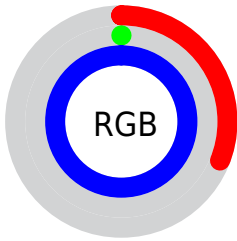
Format	Color
RYB	79, 0, 255
Decimal	5177599
CIELab	35.76, 80.49, -102.01
CIElCh	36, 129.943, 308.276
Yxy	8.8823, 0.1697, 0.0709
Android (android.graphics.Color)	4283367679 (0xFF4F00FF)
YUV	52.6910, 99.7383, 23.0730
Hunter-Lab	29.8032, 75.2630, -168.5290

Details

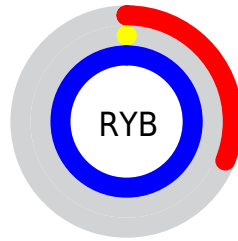
The XYZ color **21.2744, 8.8823, 95.2009** is a dark color, and the websafe version is hex **3300FF**. The color can be described as dark saturated blue. A complement of this color would be **53.6622, 80.7489, 12.7578**, and the grayscale version is **3.2348, 3.4032, 3.7061**.

A 20% lighter version of the original color is **33.5833, 19.0643, 96.5175**, and **9.9638, 3.9855, 52.4687** is the 20% darker color. If you saturate the color by 10%, you get **21.2753, 8.8827, 95.2009**, and if you desaturate by 10%, it is **23.2966, 10.4568, 95.3982**.

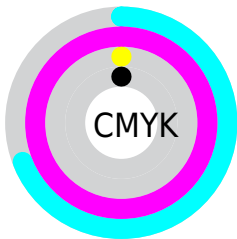
Distribution



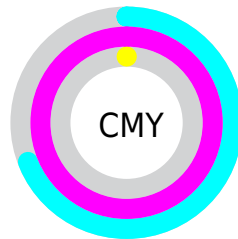
- Red (31%)
- Green (0%)
- Blue (100%)



- Red (31%)
- Yellow (0%)
- Blue (100%)



- Cyan (69%)
- Magenta (100%)
- Yellow (0%)
- Black (0%)



- Cyan (69%)
- Magenta (100%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 21.2744, 8.8823, 95.2009 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 21.2744, 8.8823, 95.2009 by changing the saturation by 10% instead.


 21.2744, 8.8823,
95.2009


 21.2744, 8.8823,
95.2009


251.4374,
182.4974, 565.8087


 13.4383, 4.6645,
71.7044


 45.0316, 23.6708,
156.5401

 7.8101, 2.0518,
52.4319

 61.6835, 35.0103,
195.2199


 4.0245, 0.6373,
36.9648


 82.0046, 49.4925,
239.7978

 1.7160, 0.0000,
24.8847

 106.3604, 67.5017,
290.6924

 0.4663, 0.0000,
15.7729

 135.1163, 89.4225,
348.3223

 0.0000, 0.0000,
9.2110


 168.6375,


 0.0000, 0.0000,


115.6390, 413.1059

4.7804


 207.2894,
146.5359, 485.4619

 0.0000, 0.0000,
2.0625

 0.0000, 0.0000,
0.5933


 21.2744, 8.8823,
95.2009


 21.2744, 8.8823,
95.2009

 21.2753, 8.8827,
95.2009

 23.2966, 10.4568,
95.3982

 26.2004, 13.1790,
95.7706

 30.1546, 17.3480,
96.3669

 35.2700, 23.1506,
97.2173

■ 41.6415, 30.7443,
98.3472

■ 49.3534, 40.2676,
99.7790

■ 58.4822, 51.8450,
101.5325

■ 69.0982, 65.5905,
103.6261

■ 81.2670, 81.6094,
106.0767

Harmonies

Analogous

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



10.7489, 8.8823, 140.6672



21.2744, 8.8823, 95.2009



30.8999, 8.8823, 35.2521

Triad

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



21.2744, 8.8823, 95.2009



15.1645, 8.8823, 0.0000



0.6233, 8.8823, 17.1166

Complementary

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



21.2744, 8.8823, 95.2009



53.6622, 80.7489, 12.7578

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.



0.8156, 8.8823, 0.9476



21.2744, 8.8823, 95.2009



6.4919, 8.8823, 0.0000

Square

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



21.2744, 8.8823, 95.2009



26.1260, 8.8823, 0.0000



2.2047, 8.8823, 0.0000



1.3497, 8.8823, 66.5481

Rectangle

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



21.2744, 8.8823, 95.2009



33.4389, 8.8823, 10.9988



2.2047, 8.8823, 0.0000



0.5917, 8.8823, 8.4552

Sweetspot

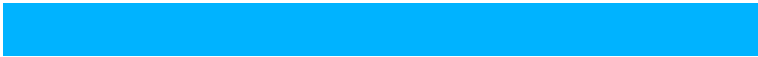
The Sweet Spot groups the original color and five complimentary colors.



21.2753, 8.8827, 95.2009



58.4822, 51.8450, 101.5325



34.0701, 39.2601, 100.3900



11.6558, 9.9970, 21.5652



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.



21.2753, 8.8827, 95.2009



42.9518, 20.0574, 96.2154



17.5324, 17.6507, 22.7328



11.2505, 4.7103, 49.7508



1.2018, 0.5135, 4.8490

Inverse Universe

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



49.0755, 24.3942, 43.1910



37.1252, 72.2238, 11.9839



18.5390, 18.1989, 21.4554



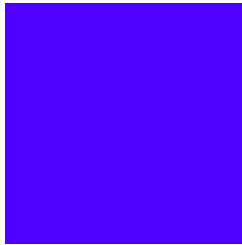
25.7131, 12.7745, 22.9376



2.5527, 1.2635, 2.4920

Previews

White Background



This preview shows how the XYZ color 21.2744, 8.8823, 95.2009 looks on a white background.

Color Contrast Check

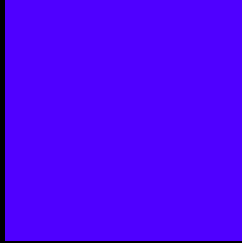
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.2744, 8.8823, 95.2009 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

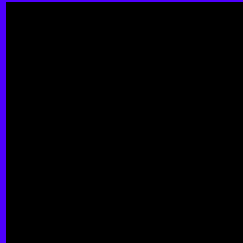
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 21.2744, 8.8823, 95.2009

Background



This preview shows how black text looks on a background with the XYZ color 21.2744, 8.8823, 95.2009.



This preview shows how white text looks on a background with the XYZ color 21.2744, 8.8823,

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

21.2744, 8.8823, 95.2009

Protanopia

10.4637, 9.0131, 40.2179

Deuteranopia

8.6780, 9.0548, 28.4845



Tritanopia

6.3030, 8.9255, 13.4472

Trichromacy



Original Color

21.2744, 8.8823, 95.2009

Protanomaly

12.3954, 6.9815, 56.5714

Deuteranomaly

10.7838, 6.6347, 47.1666

Tritanomaly

8.1233, 5.8932, 32.1619

Monochromacy



Original Color

21.2744, 8.8823, 95.2009

Achromatopsia

3.3839, 3.5601, 3.8770

Achromatomaly

6.3245, 3.6745, 20.1146

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.2744, 8.8823, 95.2009 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(79, 0, 255)` looks like.

```
.text, #text, p{  
    color:rgb(79, 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(79, 0, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(79, 0, 255) }
```

Border

The CSS property to change the border of an element to XYZ 21.2744, 8.8823, 95.2009 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(79, 0, 255) }
```

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

```
.border{ border-color:rgb(79, 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(79, 0, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(79, 0, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(79, 0, 255);  
box-shadow:4px 4px 4px 4px rgb(79, 0, 255)  
}
```

Background

The CSS property to change the background color of an element to XYZ 21.2744, 8.8823, 95.2009 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(79, 0, 255) }
```

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

```
.background{ background-color: rgb(79, 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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