

Converting Colors

XYZ(20.9185, 12.7157, 95.9596)

Have a look what the booklet for
XYZ(20.9185, 12.7157, 95.9596)
contains.

XYZ(20.9404, 12.7543, 95.9659)	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(20.9404, 12.7543,
95.9659)**

Conversions

Conversions Part 1

Format	Color
Hex	0D4EFF
RGB	13, 78, 255
RGB Percent	5%, 31%, 100%
CMY	0.9487, 0.6941, 0.0000
CMYK	0.95, 0.69, 0.00, 0.00
HSL	224°, 100%, 53%
HSV	224°, 95%, 100%
XYZ	20.9404, 12.7543, 95.9659
YIQ	78.7430, -95.5570, 41.2670

Conversions

Conversions Part 2

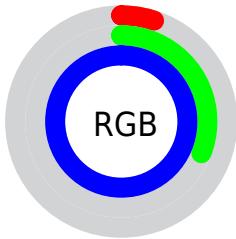
Format	Color
R _Y B	13, 64, 255
Decimal	872191
CIE Lab	42.39, 50.30, -91.08
CIE LCh	42, 104.049, 298.910
Yxy	12.7543, 0.1615, 0.0984
Android (android.graphics.Color)	4279062271 (0xFF0D4EFF)
YUV	78.7430, 86.8947, -57.6566
Hunter-Lab	35.7132, 42.1654, -134.3207




Details

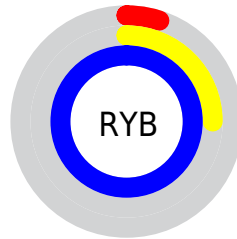
The XYZ color **20.9404, 12.7543, 95.9659** is a dark color, and the websafe version is hex **0033CC**. The color can be described as dark saturated blue. A complement of this color would be **59.7422, 58.1475, 8.4579**, and the grayscale version is **7.2393, 7.6164, 8.2942**.




A 20% lighter version of the original color is **33.1106, 26.2503, 97.9294**, and **10.6501, 5.1753, 53.2609** is the 20% darker color. If you saturate the color by 10%, you get **20.1435, 11.4071, 95.7478**, and if you desaturate by 10%, it is **23.1132, 16.1285, 96.5026**.

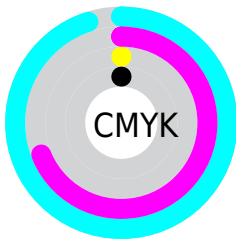
Distribution







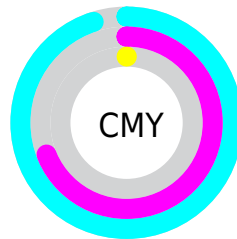
-  Red (5%)
-  Green (31%)
-  Blue (100%)






-  Red (5%)
-  Yellow (25%)
-  Blue (100%)



-  Cyan (95%)
-  Magenta (69%)
-  Yellow (0%)
-  Black (0%)



-  Cyan (95%)
-  Magenta (69%)
-  Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.9404, 12.7543, 95.9659 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 20.9404, 12.7543, 95.9659 by changing the saturation by 10% instead.

■ 20.9404, 12.7543,
95.9659

■ 20.9404, 12.7543,
95.9659

249.6993,
209.3370, 568.3157

■ 13.1927, 7.2596,
72.3378

■ 44.4803, 30.8617,
157.6054

■ 7.6393, 3.6250,
52.9462

■ 61.0033, 44.2431,
196.4539

■ 3.9148, 1.4661,
37.3724

■ 81.1819, 61.0222,
241.2130

■ 1.6541, 0.2647,
25.1979

■ 105.3817, 81.5834,
292.3012

■ 0.4273, 0.0000,
16.0042

■ 133.9680,
106.3111, 350.1370

■ 0.0000, 0.0000,
9.3727

167.3061,

■ 0.0000, 0.0000,

135.5896, 415.1390

4.8850

205.7614,
169.8035, 487.7257

■ 0.0000, 0.0000,
2.1224

■ 0.0000, 0.0000,
0.6290

■ 20.9404, 12.7543,
95.9659

■ 20.9404, 12.7543,
95.9659

■ 20.1435, 11.4071,
95.7478

■ 23.1132, 16.1285,
96.5026

■ 26.3350, 20.6446,
97.2045

■ 30.7451, 26.4130,
98.0855

■ 36.4590, 33.5288,
99.1578

■ 43.5772, 42.0765,
100.4326

■ 52.1900, 52.1336,
101.9198

■ 62.3799, 63.7715,
103.6291

■ 74.2231, 77.0567,
105.5692

■ 87.7907, 92.0521,
107.7485

Harmonies

Analogous

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



11.8388, 12.7543, 116.7476



20.9404, 12.7543, 95.9659



30.0939, 12.7543, 50.0997

Triad

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



20.9404, 12.7543, 95.9659



21.6616, 12.7543, 0.0000



2.4477, 12.7543, 13.0842

Complementary

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



20.9404, 12.7543, 95.9659



59.7422, 58.1475, 8.4579

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.



3.2676, 12.7543, 1.4081



20.9404, 12.7543, 95.9659



12.4108, 12.7543, 0.0000

Square

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



20.9404, 12.7543, 95.9659



30.6213, 12.7543, 1.7396



6.2101, 12.7543, 0.0000



3.1498, 12.7543, 46.8363

Rectangle

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



20.9404, 12.7543, 95.9659



33.6717, 12.7543, 23.9252



6.2101, 12.7543, 0.0000



2.5447, 12.7543, 7.1424

Sweetspot

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



20.9412, 12.7544, 95.9659



59.0212, 59.9605, 103.0705



44.8382, 75.1706, 58.8534



11.6962, 11.7635, 21.9041



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.



20.9412, 12.7544, 95.9659



20.1435, 11.4071, 95.7478



20.4072, 8.6502, 95.2018



17.3995, 18.1706, 22.8402



10.6297, 6.1689, 50.0651



1.1205, 0.7716, 4.9032

Inverse Universe

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



42.7599, 22.0996, 9.2191



42.2967, 21.6827, 7.4946



60.3479, 84.1871, 13.4522



18.2096, 18.0671, 19.7207



22.1536, 11.3507, 4.1931



2.2002, 1.1224, 0.6355

Previews

White Background



This preview shows how the XYZ color 20.9404, 12.7543, 95.9659 looks on a white background.

Color Contrast Check

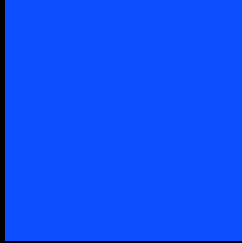
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.9404, 12.7543, 95.9659 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

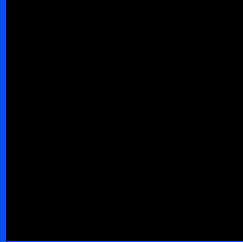
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 20.9404, 12.7543, 95.9659

Background



This preview shows how black text looks on a background with the XYZ color 20.9404, 12.7543, 95.9659.



This preview shows how white text looks on a background with the XYZ color 20.9404, 12.7543,

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

20.9404, 12.7543, 95.9659

Protanopia

14.6348, 12.4015, 56.8807

Deuteranopia

12.1978, 12.4813, 40.7960



Tritanopia

8.7283, 12.4128, 18.4589

Trichromacy



Original Color

20.9404, 12.7543, 95.9659

Protanomaly

16.6861, 12.3975, 69.9201

Deuteranomaly

14.6376, 12.1252, 57.4460

Tritanomaly

11.4053, 11.5577, 38.1889

Monochromacy



Original Color

20.9404, 12.7543, 95.9659

Achromatopsia

7.4317, 7.8187, 8.5146

Achromatomaly

9.3295, 8.3874, 27.1138

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.9404, 12.7543, 95.9659 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(13, 78, 255)` looks like.

```
.text, #text, p{  
    color:rgb(13, 78, 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(13, 78, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(13, 78, 255) }
```

Border

The CSS property to change the border of an element to XYZ 20.9404, 12.7543, 95.9659 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(13, 78, 255) }
```


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

```
.border{ border-color:rgb(13, 78, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(13, 78, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(13, 78, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(13, 78, 255);  
box-shadow:4px 4px 4px 4px rgb(13, 78,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 20.9404, 12.7543, 95.9659 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(13, 78, 255) }
```

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

```
.background{ background-color: rgb(13, 78,  
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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor