

Converting Colors

XYZ(20.8383, 12.6071, 95.9429)

Have a look what the booklet for
XYZ(20.8383, 12.6071, 95.9429)
contains.

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Color

**XYZ(20.8291, 12.5923,
95.9405)**

Conversions

Conversions Part 1

Format	Color
Hex	0A4DFF
RGB	10, 77, 255
RGB Percent	4%, 30%, 100%
CMY	0.9605, 0.6980, 0.0000
CMYK	0.96, 0.70, 0.00, 0.00
HSL	224°, 100%, 52%
HSV	224°, 96%, 100%
XYZ	20.8291, 12.5923, 95.9405
YIQ	77.2590, -97.0700, 41.1540

Conversions

Conversions Part 2

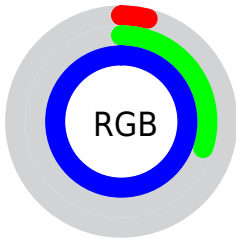
Format	Color
R_{YB}	10, 63, 255
Decimal	675327
CIE _{Lab}	42.14, 50.84, -91.49
CIE _{LCh}	42, 104.668, 299.057
Yxy	12.5923, 0.1610, 0.0973
Android (android.graphics.Color)	4278865407 (0xFF0A4DFF)
YUV	77.2590, 87.6263, -58.9861
Hunter-Lab	35.4856, 42.6748, -135.4591

Details

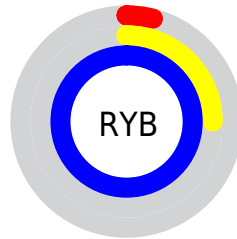
The XYZ color **20.8291, 12.5923, 95.9405** is a dark color, and the websafe version is hex **0033CC**. The color can be described as dark saturated blue. A complement of this color would be **59.2962, 57.2840, 8.2211**, and the grayscale version is **6.9618, 7.3244, 7.9763**.

A 20% lighter version of the original color is **32.9821, 25.9933, 97.8866**, and **10.6219, 5.1189, 53.2515** is the 20% darker color. If you saturate the color by 10%, you get **20.2197, 11.5593, 95.7732**, and if you desaturate by 10%, it is **22.9031, 15.8678, 96.4634**.

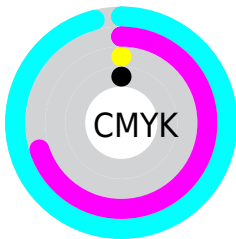
Distribution



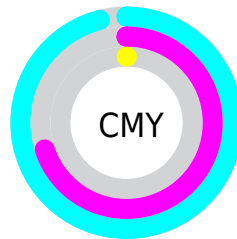
- Red (4%)
- Green (30%)
- Blue (100%)



- Red (4%)
- Yellow (25%)
- Blue (100%)



- Cyan (96%)
- Magenta (70%)
- Yellow (0%)
- Black (0%)



- Cyan (96%)
- Magenta (70%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.8291, 12.5923, 95.9405 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 20.8291, 12.5923, 95.9405 by changing the saturation by 10% instead.

■ 20.8291, 12.5923,
95.9405

■ 20.8291, 12.5923,
95.9405

249.1178,
208.2880, 568.2326

■ 13.1109, 7.1484,
72.3168

■ 44.2964, 30.5694,
157.5700

■ 7.5825, 3.5551,
52.9291

■ 60.7761, 43.8713,
196.4130

■ 3.8785, 1.4279,
37.3588

■ 80.9071, 60.5614,
241.1660

■ 1.6336, 0.2372,
25.1875

■ 105.0546, 81.0241,
292.2478

■ 0.4142, 0.0000,
15.9965

■ 133.5841,
105.6437, 350.0768

■ 0.0000, 0.0000,
9.3673

166.8609,

■ 0.0000, 0.0000,

134.8046, 415.0716

4.8815

205.2504,
168.8912, 487.6507

■ 0.0000, 0.0000,
2.1204

■ 0.0000, 0.0000,
0.6279

■ 20.8291, 12.5923,
95.9405

■ 20.8291, 12.5923,
95.9405

■ 20.2197, 11.5593,
95.7732

■ 22.9031, 15.8678,
96.4634

■ 26.0039, 20.2635,
97.1484

■ 30.2737, 25.8907,
98.0096

■ 35.8297, 32.8448,
99.0590

■ 42.7733, 41.2103,
100.3077

■ 51.1955, 51.0647,
101.7659

■ 61.1792, 62.4790,
103.4429

■ 72.8007, 75.5196,
105.3475

■ 86.1314, 90.2489,
107.4879

Harmonies

Analogous

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



11.7236, 12.5923, 117.0817



20.8291, 12.5923, 95.9405



29.9875, 12.5923, 49.7703

Triad

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



20.8291, 12.5923, 95.9405



21.4535, 12.5923, 0.0000



2.3645, 12.5923, 13.0163

Complementary

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



20.8291, 12.5923, 95.9405



59.2962, 57.2840, 8.2211

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.



3.1640, 12.5923, 1.3621



20.8291, 12.5923, 95.9405



12.2170, 12.5923, 0.0000

Square

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



20.8291, 12.5923, 95.9405



30.4450, 12.5923, 1.6418



6.0628, 12.5923, 0.0000



3.0634, 12.5923, 46.9352

Rectangle

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



20.8291, 12.5923, 95.9405



33.5543, 12.5923, 23.5860



6.0628, 12.5923, 0.0000



2.4575, 12.5923, 7.0674

Sweetspot

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



20.8299, 12.5924, 95.9405



58.0638, 58.9419, 102.9244



44.7073, 75.1135, 58.3772



11.5180, 11.5753, 21.8771



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.



20.8299, 12.5924, 95.9405



20.2197, 11.5593, 95.7732



20.2187, 8.5004, 95.1828



17.4068, 18.1852, 22.8426



10.6708, 6.2513, 50.0788



1.1253, 0.7813, 4.9048

Inverse Universe

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



42.6889, 22.0146, 9.0200



42.3351, 21.6981, 7.6969



60.1545, 84.0895, 13.3499



18.2132, 18.0686, 19.7401



22.1743, 11.3590, 4.3026



2.2026, 1.1234, 0.6484

Previews

White Background



This preview shows how the XYZ color 20.8291, 12.5923, 95.9405 looks on a white background.

Color Contrast Check

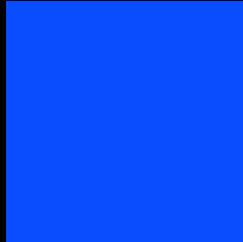
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.8291, 12.5923, 95.9405 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

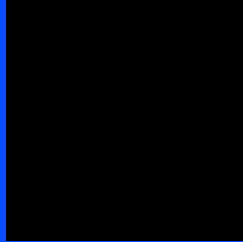
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 20.8291, 12.5923, 95.9405

Background



This preview shows how black text looks on a background with the XYZ color 20.8291, 12.5923, 95.9405.



This preview shows how white text looks on a background with the XYZ color 20.8291, 12.5923,

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

20.8291, 12.5923, 95.9405

Protanopia

14.5175, 12.3545, 56.2631

Deuteranopia

11.9094, 12.2096, 39.7592



Tritanopia

8.5632, 12.1751, 18.1184

Trichromacy



Original Color

20.8291, 12.5923, 95.9405

Protanomaly

16.4581, 12.1726, 69.1923

Deuteranomaly

14.4198, 11.8972, 56.7947

Tritanomaly

11.2077, 11.3284, 37.6723

Monochromacy



Original Color

20.8291, 12.5923, 95.9405

Achromatopsia

7.0540, 7.4214, 8.0819

Achromatomaly

9.0046, 8.0176, 26.6642

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.8291, 12.5923, 95.9405 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(10, 77, 255)` looks like.

```
.text, #text, p{  
    color:rgb(10, 77, 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(10, 77, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(10, 77, 255) }
```

Border

The CSS property to change the border of an element to XYZ 20.8291, 12.5923, 95.9405 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(10, 77, 255) }
```


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

```
.border{ border-color:rgb(10, 77, 255) }
```

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

Here you see how a box with a 4 pixel rgb(10, 77, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(10, 77, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(10, 77, 255);  
box-shadow:4px 4px 4px 4px rgb(10, 77,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 20.8291, 12.5923, 95.9405 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(10, 77, 255) }
```

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

```
.background{ background-color: rgb(10, 77,  
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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