

Converting Colors

XYZ(21.7302, 12.6802, 95.9100)

Have a look what the booklet for
XYZ(21.7302, 12.6802, 95.9100)
contains.

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Color

**XYZ(21.6992, 12.6381,
95.9035)**

Conversions

Conversions Part 1

Format	Color
Hex	3149FF
RGB	49, 73, 255
RGB Percent	19%, 29%, 100%
CMY	0.8078, 0.7137, 0.0000
CMYK	0.81, 0.71, 0.00, 0.00
HSL	233°, 100%, 60%
HSV	233°, 81%, 100%
XYZ	21.6992, 12.6381, 95.9035
YIQ	86.5720, -72.7260, 51.5140

Conversions

Conversions Part 2

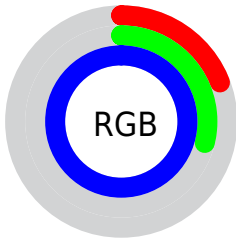
Format	Color
R _Y B	49, 70, 255
Decimal	3230207
CIE Lab	42.21, 54.67, -91.35
CIE LCh	42, 106.459, 300.901
Yxy	12.6381, 0.1666, 0.0970
Android (android.graphics.Color)	4281420287 (0xFF3149FF)
YUV	86.5720, 83.0350, -32.9506
Hunter-Lab	35.5501, 46.7408, -135.0615

Details

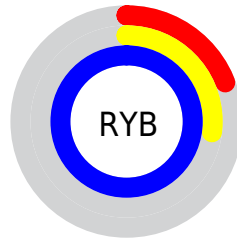
The XYZ color **21.6992, 12.6381, 95.9035** is a dark color, and the websafe version is hex **3333FF**. The color can be described as dark washed blue. A complement of this color would be **70.3769, 78.6460, 14.3789**, and the grayscale version is **8.8081, 9.2668, 10.0915**.

A 20% lighter version of the original color is **34.4930, 26.2112, 97.8490**, and **10.4700, 4.8151, 53.2009** is the 20% darker color. If you saturate the color by 10%, you get **19.5760, 9.7296, 95.4540**, and if you desaturate by 10%, it is **25.0543, 16.9767, 96.5641**.

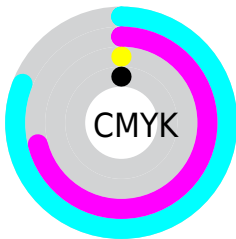
Distribution



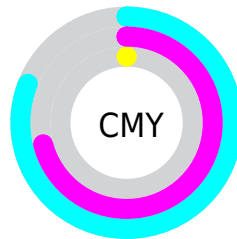
- Red (19%)
- Green (29%)
- Blue (100%)



- Red (19%)
- Yellow (27%)
- Blue (100%)



- Cyan (81%)
- Magenta (71%)
- Yellow (0%)
- Black (0%)





- Cyan (81%)
- Magenta (71%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 21.6992, 12.6381, 95.9035 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 21.6992, 12.6381, 95.9035 by changing the saturation by 10% instead.


 21.6992, 12.6381,
95.9035

 21.6992, 12.6381,
95.9035


253.6334,
208.5851, 568.1115


 13.7514, 7.1798,
72.2862


 45.7309, 30.6521,
157.5185


 8.0285, 3.5748,
52.9042


 62.5455, 43.9765,
196.3533

 4.1652, 1.4387,
37.3391


 83.0465, 60.6919,
241.0976

 1.7960, 0.2450,
25.1723

 107.5991, 81.1824,
292.1700

 0.5153, 0.0000,
15.9853

 136.5687,
105.8327, 349.9891

 0.0000, 0.0000,
9.3595

170.3207,

 0.0000, 0.0000,

135.0269, 414.9733

4.8764

209.2205,
169.1496, 487.5413

■ 0.0000, 0.0000,
2.1175

■ 0.0000, 0.0000,
0.6261

■ 21.6992, 12.6381,
95.9035

■ 21.6992, 12.6381,
95.9035

■ 19.5760, 9.7296,
95.4540

■ 25.0543, 16.9767,
96.5641

■ 18.5063, 8.1327,
95.2021

■ 29.7933, 22.9017,
97.4579

■ 36.0484, 30.5490,
98.6043

■ 43.9354, 40.0397,
100.0205

■ 53.5587, 51.4837,
101.7222

■ 65.0140, 64.9824,
103.7240

■ 78.3900, 80.6300,
106.0393

■ 93.7695, 98.5150,
108.6809

■ 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.



12.2541, 12.6381, 120.3924



21.6992, 12.6381, 95.9035



30.9365, 12.6381, 47.9293

Triad

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



21.6992, 12.6381, 95.9035



21.0875, 12.6381, 0.0000



2.2929, 12.6381, 14.4607

Complementary

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



21.6992, 12.6381, 95.9035



70.3769, 78.6460, 14.3789

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.



2.9932, 12.6381, 1.5618



21.6992, 12.6381, 95.9035



11.7733, 12.6381, 0.0000

Square

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



21.6992, 12.6381, 95.9035



30.4870, 12.6381, 1.2986



5.7468, 12.6381, 0.0000



3.0894, 12.6381, 50.7217

Rectangle

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



21.6992, 12.6381, 95.9035



34.3171, 12.6381, 21.9120



5.7468, 12.6381, 0.0000



2.3566, 12.6381, 7.9326

Sweetspot

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



21.7000, 12.6383, 95.9035



61.1158, 60.4009, 103.0451



51.4470, 77.9412, 87.9110



12.2080, 11.8991, 21.9033



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.



21.7000, 12.6383, 95.9035



18.7902, 8.5582, 95.2693



28.0480, 14.0058, 95.8328



17.1733, 17.7181, 22.7648



9.7235, 4.3565, 49.7630



0.9989, 0.5284, 4.8626

Inverse Universe

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



43.5417, 23.9393, 8.6288



41.6483, 21.5562, 3.6705



54.2285, 80.9768, 15.6799



18.0954, 18.0215, 19.1193



21.6962, 11.1678, 1.7845



2.1388, 1.0979, 0.3123

Previews

White Background



This preview shows how the XYZ color 21.6992, 12.6381, 95.9035 looks on a white background.

Color Contrast Check

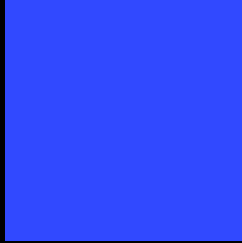
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.6992, 12.6381, 95.9035 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

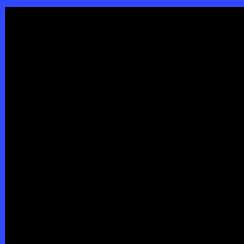
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 21.6992, 12.6381, 95.9035

Background



This preview shows how black text looks on a background with the XYZ color 21.6992, 12.6381, 95.9035.



This preview shows how white text looks on a background with the XYZ color 21.6992, 12.6381,

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

21.6992, 12.6381, 95.9035

Protanopia

14.5175, 12.3545, 56.2631

Deuteranopia

12.0044, 12.2476, 40.2594



Tritanopia

8.6210, 12.1982, 18.4231

Trichromacy



Original Color

21.6992, 12.6381, 95.9035

Protanomaly

16.5759, 12.1123, 69.1744

Deuteranomaly

14.6512, 11.8750, 57.3970

Tritanomaly

11.4074, 11.2844, 38.1361

Monochromacy



Original Color

21.6992, 12.6381, 95.9035

Achromatopsia

9.0590, 9.5307, 10.3790

Achromatomaly

11.1102, 9.5892, 29.2823

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.6992, 12.6381, 95.9035 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(49, 73, 255)` looks like.

```
.text, #text, p{  
    color:rgb(49, 73, 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(49, 73, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(49, 73, 255) }
```

Border

The CSS property to change the border of an element to XYZ 21.6992, 12.6381, 95.9035 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(49, 73, 255) }
```


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

```
.border{ border-color:rgb(49, 73, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(49, 73, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(49, 73, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(49, 73, 255);  
box-shadow:4px 4px 4px 4px rgb(49, 73,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 21.6992, 12.6381, 95.9035 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(49, 73, 255) }
```

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

```
.background{ background-color: rgb(49, 73,  
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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