

Converting Colors

XYZ(29.1312, 21.2482, 97.1737)

Have a look what the booklet for
XYZ(29.1312, 21.2482, 97.1737)
contains.

XYZ(29.1054, 21.1966, 97.1651)	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(29.1054, 21.1966,
97.1651)**

Conversions

Conversions Part 1

Format	Color
Hex	666EFF
RGB	102, 110, 255
RGB Percent	40%, 43%, 100%
CMY	0.6000, 0.5686, 0.0000
CMYK	0.60, 0.57, 0.00, 0.00
HSL	237°, 100%, 70%
HSV	237°, 60%, 100%
XYZ	29.1054, 21.1966, 97.1651
YIQ	124.1380, -51.3130, 43.3990

Conversions

Conversions Part 2

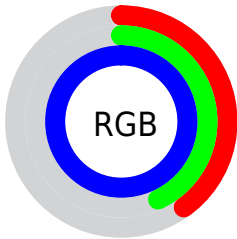
Format	Color
RYB	102, 110, 255
Decimal	6713087
CIELab	53.16, 38.89, -73.30
CIElCh	53, 82.982, 297.950
Yxy	21.1966, 0.1974, 0.1437
Android (android.graphics.Color)	4284903167 (0xFF666EFF)
YUV	124.1380, 64.5150, -19.4150
Hunter-Lab	46.0398, 32.2745, -92.9014

Details

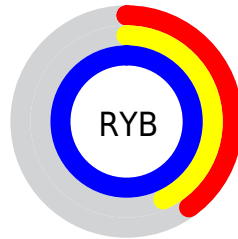
The XYZ color **29.1054, 21.1966, 97.1651** is a light color, and the websafe version is hex **6666FF**. A complement of this color would be **76.9018, 88.7457, 25.6489**, and the grayscale version is **19.0092, 19.9992, 21.7791**.

A 20% lighter version of the original color is **46.4874, 41.0600, 100.0830**, and **11.9523, 7.5546, 53.6516** is the 20% darker color. If you saturate the color by 10%, you get **24.3854, 15.4062, 96.2962**, and if you desaturate by 10%, it is **35.4266, 28.8678, 98.3126**.

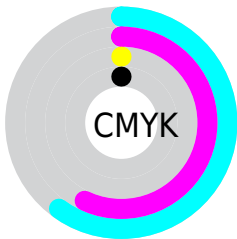
Distribution



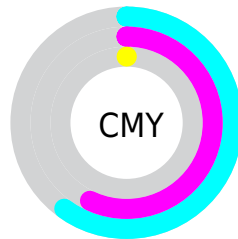
- Red (40%)
- Green (43%)
- Blue (100%)



- Red (40%)
- Yellow (43%)
- Blue (100%)



- Cyan (60%)
- Magenta (57%)
- Yellow (0%)
- Black (0%)





- Cyan (60%)
- Magenta (57%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 29.1054, 21.1966, 97.1651 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 29.1054, 21.1966, 97.1651 by changing the saturation by 10% instead.


 29.1054, 21.1966,
97.1651


 29.1054, 21.1966,
97.1651


289.6972,
258.3215, 572.2338


 19.3053, 13.2678,
73.3315


 57.6409, 45.4145,
159.2736


 11.9964, 7.6132,
53.7536

 77.1070, 62.4724,
198.3856

 6.8134, 3.8485,
38.0129


 100.5257, 83.3421,
243.4275

 3.3910, 1.5892,
25.6908

 128.2625,
108.4080, 294.8177

 1.3637, 0.3503,
16.3688

160.6827,
138.0545, 352.9750

 0.2302, 0.0000,
9.6283

198.1516,

 0.0000, 0.0000,

172.6659, 418.3177

5.0508

241.0347,
212.6268, 491.2644

■ 0.0000, 0.0000,
2.2179

■ 0.0000, 0.0000,
0.6846

■ 29.1054, 21.1966,
97.1651

■ 29.1054, 21.1966,
97.1651

■ 24.3854, 15.4062,
96.2962

■ 35.4266, 28.8678,
98.3126

■ 21.1201, 11.3329,
95.6821

■ 43.4726, 38.5616,
99.7596

■ 19.1407, 8.7874,
95.2951

■ 53.3582, 50.4079,
101.5251

■ 18.1983, 7.5164,
95.0994

■ 65.1874, 64.5253,
103.6266

■ 18.1981, 7.5161,
95.0994

■ 79.0565, 81.0238,
106.0802

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.



19.5508, 21.1966, 112.4783



29.1054, 21.1966, 97.1651



38.0349, 21.1966, 59.2515

Triad

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



29.1054, 21.1966, 97.1651



30.4580, 21.1966, 1.5928



7.5771, 21.1966, 21.3984

Complementary

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



29.1054, 21.1966, 97.1651



76.9018, 88.7457, 25.6489

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.



8.9869, 21.1966, 5.7909



29.1054, 21.1966, 97.1651



20.7546, 21.1966, 0.6105

Square

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



29.1054, 21.1966, 97.1651



38.9617, 21.1966, 7.0616



13.2455, 21.1966, 1.3200



8.6401, 21.1966, 53.8284

Rectangle

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



29.1054, 21.1966, 97.1651



41.4848, 21.1966, 34.6704



13.2455, 21.1966, 1.3200



7.7662, 21.1966, 14.4113

Sweetspot

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



29.1063, 21.1972, 97.1651



67.7909, 67.6262, 104.0879



57.6914, 80.9256, 98.8062



13.7038, 13.5144, 22.1362



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.



29.1063, 21.1972, 97.1651



23.6197, 14.4583, 96.1536



39.0155, 25.0826, 97.3928



17.0791, 17.5299, 22.7334



9.5400, 3.9895, 49.7018



0.9545, 0.4396, 4.8478

Inverse Universe

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



48.8066, 31.8901, 18.3349



45.0036, 26.4115, 10.5088



59.0714, 83.2604, 25.5299



18.0478, 18.0024, 18.8691



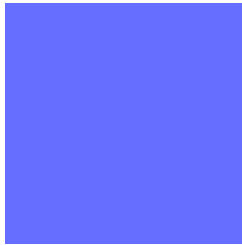
21.6035, 11.1307, 1.2967



2.1164, 1.0889, 0.1943

Previews

White Background



This preview shows how the XYZ color 29.1054, 21.1966, 97.1651 looks on a white background.

Color Contrast Check

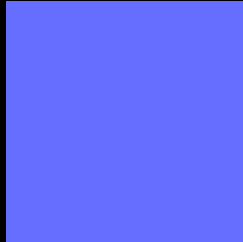
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 29.1054, 21.1966, 97.1651 looks on a black 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

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

XYZ 29.1054, 21.1966, 97.1651

Background



This preview shows how black text looks on a background with the XYZ color 29.1054, 21.1966, 97.1651.



This preview shows how white text looks on a background with the XYZ color 29.1054, 21.1966,

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

29.1054, 21.1966, 97.1651

Protanopia

25.5162, 21.4003, 97.3936

Deuteranopia

21.3048, 21.0823, 73.4674



Tritanopia

15.9815, 21.1038, 31.6649

Trichromacy



Original Color

29.1054, 21.1966, 97.1651

Protanomaly

26.1593, 21.0176, 97.2858

Deuteranomaly

22.7179, 20.3105, 81.3202

Tritanomaly

19.3948, 20.4088, 50.4940

Monochromacy



Original Color

29.1054, 21.1966, 97.1651

Achromatopsia

19.1579, 20.1556, 21.9495

Achromatomaly

21.2457, 19.8852, 41.7482

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.1054, 21.1966, 97.1651 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(102, 110, 255)` looks like.

```
.text, #text, p{  
    color:rgb(102, 110, 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(102, 110, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 110, 255) }
```

Border

The CSS property to change the border of an element to XYZ 29.1054, 21.1966, 97.1651 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(102, 110, 255) }
```


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

```
.border{ border-color:rgb(102, 110, 255) }
```

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

Here you see how a box with a 4 pixel rgb(102, 110, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 110, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 110, 255);  
box-shadow:4px 4px 4px 4px rgb(102, 110,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 29.1054, 21.1966, 97.1651 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 110, 255) }
```

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

```
.background{ background-color: rgb(102,  
110, 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