

Converting Colors

XYZ(33.6811, 29.5502, 90.1555)

Have a look what the booklet for
XYZ(33.6811, 29.5502, 90.1555)
contains.

XYZ(33.7520, 29.6354, 90.3275)	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(33.7520, 29.6354,
90.3275)**

Conversions

Conversions Part 1

Format	Color
Hex	788DF5
RGB	120, 141, 245
RGB Percent	47%, 55%, 96%
CMY	0.5294, 0.4471, 0.0392
CMYK	0.51, 0.42, 0.00, 0.04
HSL	230°, 86%, 72%
HSV	230°, 51%, 96%
XYZ	33.7520, 29.6354, 90.3275
YIQ	146.5770, -45.9000, 27.8920

Conversions

Conversions Part 2

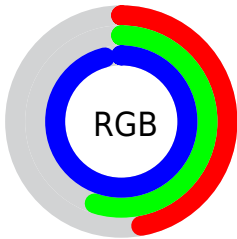
Format	Color
R _Y B	120, 138, 245
Decimal	7900661
CIE Lab	61.34, 20.72, -54.58
CIE LCh	61, 58.382, 290.784
Yxy	29.6354, 0.2196, 0.1928
Android (android.graphics.Color)	4286090741 (0xFF788DF5)
YUV	146.5770, 48.5225, -23.3080
Hunter-Lab	54.4384, 15.4034, -60.2707

Details

The XYZ color **33.7520, 29.6354, 90.3275** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **67.7038, 74.0824, 28.5020**, and the grayscale version is **27.3798, 28.8057, 31.3694**.

A 20% lighter version of the original color is **55.9322, 55.3873, 102.3506**, and **14.5631, 12.0126, 49.1280** is the 20% darker color. If you saturate the color by 10%, you get **28.0445, 22.6346, 89.2776**, and if you desaturate by 10%, it is **40.8842, 38.1926, 91.6039**.

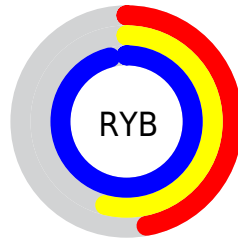
Distribution



Red (47%)

Green (55%)

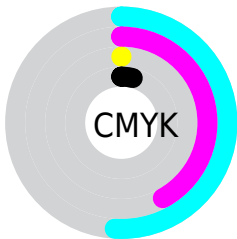
Blue (96%)



Red (47%)

Yellow (54%)

Blue (96%)

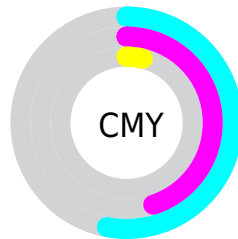


Cyan (51%)

Magenta (42%)

Yellow (0%)

Black (4%)



Cyan (53%)

Magenta (45%)

Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.7520, 29.6354, 90.3275 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 33.7520, 29.6354, 90.3275 by changing the saturation by 10% instead.

■ 33.7520, 29.6354,
90.3275

■ 33.7520, 29.6354,
90.3275

310.6302,
300.2013, 549.6932

■ 22.8651, 19.5620,
67.6771

■ 64.8947, 59.0851,
149.7327

■ 14.6141, 12.0771,
49.1700

■ 85.8812, 79.2302,
187.3246

■ 8.6335, 6.7962,
34.3878

■ 110.9650,
103.5013, 230.7340

■ 4.5581, 3.3350,
22.9119

140.5114,
132.2829, 280.3795

■ 2.0225, 1.3090,
14.3238

174.8857,
165.9593, 336.6796

■ 0.6465, 0.1482,
8.2049

214.4534,

■ 0.0000, 0.0000,

204.9149, 400.0529

4.1367

259.5798,
249.5341, 470.9179

■ 0.0000, 0.0000,
1.7006

■ 0.0000, 0.0000,
0.3612

■ 33.7520, 29.6354,
90.3275

■ 33.7520, 29.6354,
90.3275

■ 28.0445, 22.6346,
89.2776

■ 40.8842, 38.1926,
91.6039

■ 23.6600, 17.0915,
88.4388

■ 49.5260, 48.3905,
93.1168

■ 20.4887, 12.9004,
87.7970

■ 59.7601, 60.3108,
94.8783

■ 18.4004, 9.9390,
87.3355

■ 71.6617, 74.0290,
96.8989

■ 17.2799, 8.1892,
87.0568

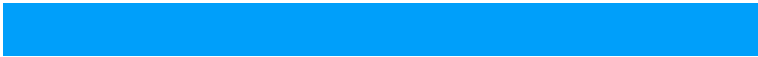
■ 85.3015, 89.6158,
99.1885

■ 93.4816, 99.3726,
100.6407

Harmonies

Analogous

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



25.8631, 29.6354, 94.7904



33.7520, 29.6354, 90.3275



41.2596, 29.6354, 67.1677

Triad

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



33.7520, 29.6354, 90.3275



38.5987, 29.6354, 9.3100



15.9392, 29.6354, 25.9445

Complementary

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



33.7520, 29.6354, 90.3275



67.7038, 74.0824, 28.5020

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.



18.1871, 29.6354, 12.2042



33.7520, 29.6354, 90.3275



30.6050, 29.6354, 5.9075

Square

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



33.7520, 29.6354, 90.3275



44.3929, 29.6354, 19.4440



23.2358, 29.6354, 6.6494



16.4732, 29.6354, 49.7649

Rectangle

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



33.7520, 29.6354, 90.3275



44.5807, 29.6354, 48.3249



23.2358, 29.6354, 6.6494



16.3766, 29.6354, 20.2315

Sweetspot

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



33.7532, 29.6364, 90.3282



73.0255, 74.8024, 105.1972



53.5953, 74.5772, 80.7370



15.0418, 15.3322, 22.4166



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.



33.7532, 29.6364, 90.3282



30.6520, 24.7123, 97.7622



37.6135, 27.4580, 89.7043



15.8061, 16.3764, 20.8705



9.3759, 4.5456, 46.9213



0.8873, 0.5260, 4.1450

Inverse Universe

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



49.1815, 34.7700, 29.3192



49.4834, 31.7647, 23.1197



61.3357, 79.7003, 29.9220



16.6127, 16.5279, 17.7070



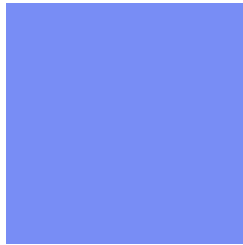
20.5370, 10.5583, 2.2705



1.8369, 0.9407, 0.3677

Previews

White Background



This preview shows how the XYZ color 33.7520, 29.6354, 90.3275 looks on a white background.

Color Contrast Check

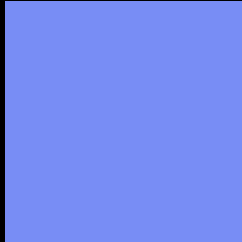
Large Text (above 18pt) WCAG AA ✓ Pass

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 33.7520, 29.6354, 90.3275 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 33.7520, 29.6354, 90.3275

Background



This preview shows how black text looks on a background with the XYZ color 33.7520, 29.6354, 90.3275.



This preview shows how white text looks on a background with the XYZ color 33.7520, 29.6354,

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

33.7520, 29.6354, 90.3275

Protanopia

32.6255, 29.6669, 92.8137

Deuteranopia

30.6053, 29.6293, 88.9000



Tritanopia

24.1365, 29.5030, 42.4527

Trichromacy



Original Color

33.7520, 29.6354, 90.3275

Protanomaly

33.0414, 29.6753, 91.9821

Deuteranomaly

31.4915, 29.3791, 89.5989

Tritanomaly

26.9704, 29.1677, 57.0318

Monochromacy



Original Color

33.7520, 29.6354, 90.3275

Achromatopsia

27.7328, 29.1771, 31.7738

Achromatomaly

28.9892, 28.9881, 48.8671

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.7520, 29.6354, 90.3275 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(120, 141, 245)` looks like.

```
.text, #text, p{  
    color:rgb(120, 141, 245)  
}
```

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(120, 141, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 141, 245) }
```

Border

The CSS property to change the border of an element to XYZ 33.7520, 29.6354, 90.3275 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(120, 141, 245) }
```


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

```
.border{ border-color:rgb(120, 141, 245) }
```

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

Here you see how a box with a 4 pixel `rgb(120, 141, 245)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 141, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 141, 245);  
box-shadow:4px 4px 4px 4px rgb(120, 141,  
245) }
```

Background

The CSS property to change the background color of an element to XYZ 33.7520, 29.6354, 90.3275 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 141, 245) }
```

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

```
.background{ background-color: rgb(120,  
141, 245) }
```

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