

Converting Colors

XYZ(29.6022, 20.2287, 96.9521)

Have a look what the booklet for
XYZ(29.6022, 20.2287, 96.9521)
contains.

XYZ(29.6114, 20.2335, 96.9525)	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(29.6114, 20.2335,
96.9525)**

Conversions

Conversions Part 1

Format	Color
Hex	7166FF
RGB	113, 102, 255
RGB Percent	44%, 40%, 100%
CMY	0.5568, 0.6000, 0.0000
CMYK	0.56, 0.60, 0.00, 0.00
HSL	244°, 100%, 70%
HSV	244°, 60%, 100%
XYZ	29.6114, 20.2335, 96.9525
YIQ	122.7310, -42.5570, 49.9150

Conversions

Conversions Part 2

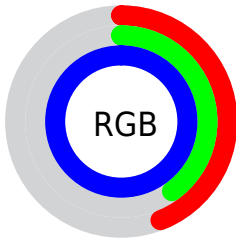
Format	Color
R _Y B	113, 102, 255
Decimal	7431935
CIE Lab	52.10, 45.42, -75.00
CIE LCh	52, 87.679, 301.201
Yxy	20.2335, 0.2017, 0.1378
Android (android.graphics.Color)	4285622015 (0xFF7166FF)
YUV	122.7310, 65.2086, -8.5341
Hunter-Lab	44.9817, 38.7885, -96.3052

Details

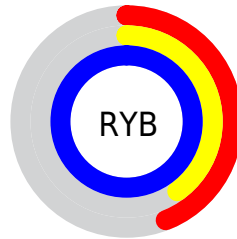
The XYZ color **29.6114, 20.2335, 96.9525** is a light color, and the websafe version is hex **6666FF**. A complement of this color would be **75.4645, 91.7114, 26.2952**, and the grayscale version is **18.5417, 19.5073, 21.2434**.

A 20% lighter version of the original color is **47.2848, 39.4452, 99.7292**, and **12.2723, 7.1207, 53.5509** is the 20% darker color. If you saturate the color by 10%, you get **24.8217, 14.5989, 96.1174**, and if you desaturate by 10%, it is **35.9671, 27.8191, 98.0817**.

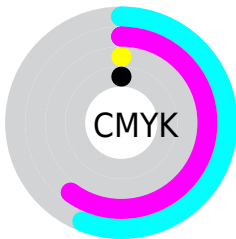
Distribution



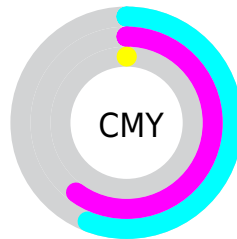
- Red (44%)
- Green (40%)
- Blue (100%)



- Red (44%)
- Yellow (40%)
- Blue (100%)



- Cyan (56%)
- Magenta (60%)
- Yellow (0%)
- Black (0%)



- Cyan (56%)
- Magenta (60%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.6114, 20.2335, 96.9525 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 29.6114, 20.2335, 96.9525 by changing the saturation by 10% instead.

■ 29.6114, 20.2335,
96.9525

■ 29.6114, 20.2335,
96.9525

292.0313,
253.1764, 571.5402

■ 19.6904, 12.5649,
73.1553

■ 58.4379, 43.8083,
158.9780

■ 12.2772, 7.1296,
53.6103

■ 78.0742, 60.4833,
198.0434

■ 7.0063, 3.5433,
37.8992

■ 101.6796, 80.9292,
243.0352

■ 3.5124, 1.4215,
25.6032

■ 129.6196,
105.5305, 294.3721

■ 1.4302, 0.2325,
16.3039

162.2593,
134.6714, 352.4724

■ 0.2776, 0.0000,
9.5828

199.9643,

■ 0.0000, 0.0000,

168.7364, 417.7549

5.0213

243.0999,
208.1100, 490.6380

■ 0.0000, 0.0000,
2.2008

■ 0.0000, 0.0000,
0.6748

■ 29.6114, 20.2335,
96.9525

■ 29.6114, 20.2335,
96.9525

■ 24.8217, 14.5989,
96.1174

■ 35.9671, 27.8191,
98.0817

■ 21.4588, 10.7347,
95.5487

■ 44.0062, 37.5112,
99.5287

■ 19.3637, 8.4293,
95.2142

■ 53.8382, 49.4512,
101.3152

■ 18.3059, 7.3520,
95.0620

■ 65.5626, 63.7681,
103.4607

■ 18.3059, 7.3519,
95.0620

■ 79.2713, 80.5809,
105.9834

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.



19.5947, 20.2335, 117.3815



29.6114, 20.2335, 96.9525



38.6308, 20.2335, 55.3860

Triad

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



29.6114, 20.2335, 96.9525



28.7852, 20.2335, 0.9084



6.6350, 20.2335, 23.0813

Complementary

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



29.6114, 20.2335, 96.9525



75.4645, 91.7114, 26.2952

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.



7.7377, 20.2335, 5.7823



29.6114, 20.2335, 96.9525



18.8725, 20.2335, 0.1516

Square

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



29.6114, 20.2335, 96.9525



38.0587, 20.2335, 5.0786



11.6141, 20.2335, 1.0387



7.9362, 20.2335, 58.7642

Rectangle

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



29.6114, 20.2335, 96.9525



41.7834, 20.2335, 30.4761



11.6141, 20.2335, 1.0387



6.7334, 20.2335, 15.3105

Sweetspot

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



29.6123, 20.2340, 96.9526



68.1424, 66.9268, 103.9344



56.1215, 75.2287, 106.1704



13.7874, 13.3483, 22.0998



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.



29.6123, 20.2340, 96.9526



24.0395, 13.6905, 95.9832



43.7134, 27.5034, 97.6125



17.1240, 17.4401, 22.7137



9.6089, 3.8640, 49.6740



0.9757, 0.3969, 4.8385

Inverse Universe

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



62.3197, 37.2942, 89.4973



59.5147, 32.2159, 86.9230



54.3708, 80.8372, 25.3081



18.7329, 18.2765, 22.4768



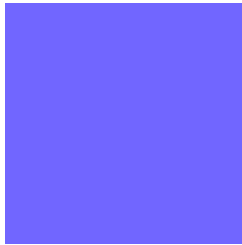
29.5338, 14.3028, 43.0571



2.8918, 1.3991, 4.2777

Previews

White Background



This preview shows how the XYZ color 29.6114, 20.2335, 96.9525 looks on a white background.

Color Contrast Check

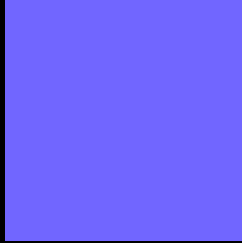
Large Text (above 18pt) WCAG AA ✓ Pass

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 29.6114, 20.2335, 96.9525 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

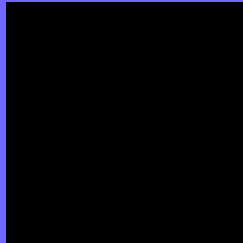
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 29.6114, 20.2335, 96.9525

Background



This preview shows how black text looks on a background with the XYZ color 29.6114, 20.2335, 96.9525.



This preview shows how white text looks on a background with the XYZ color 29.6114, 20.2335,

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

29.6114, 20.2335, 96.9525

Protanopia

24.3264, 20.2855, 95.5619

Deuteranopia

20.3756, 20.2932, 69.8609



Tritanopia

16.0941, 20.1664, 29.4298

Trichromacy



Original Color

29.6114, 20.2335, 96.9525



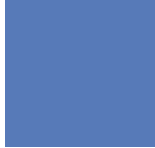
Protanomaly

24.7090, 19.4374, 96.2154



Deuteranomaly

21.9584, 19.2545, 78.9031



Tritanomaly

19.5417, 19.4060, 48.0632

Monochromacy



Original Color

29.6114, 20.2335, 96.9525



Achromatopsia

18.8265, 19.8069, 21.5697



Achromatomaly

21.0892, 19.1237, 41.1078

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.6114, 20.2335, 96.9525 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(113, 102, 255)` looks like.

```
.text, #text, p{  
    color:rgb(113, 102, 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(113, 102, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(113, 102, 255) }
```

Border

The CSS property to change the border of an element to XYZ 29.6114, 20.2335, 96.9525 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(113, 102, 255) }
```


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

```
.border{ border-color:rgb(113, 102, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(113, 102, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(113, 102, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(113, 102, 255);  
box-shadow:4px 4px 4px 4px rgb(113, 102,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 29.6114, 20.2335, 96.9525 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(113, 102, 255) }
```

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

```
.background{ background-color: rgb(113,  
102, 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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