

Converting Colors

XYZ(29.6162, 20.0395, 92.7498)

Have a look what the booklet for
XYZ(29.6162, 20.0395, 92.7498)
contains.

XYZ(29.5582, 20.0095, 92.7468)	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>	30

Color

**XYZ(29.5582, 20.0095,
92.7468)**

Conversions

Conversions Part 1

Format	Color
Hex	7864FA
RGB	120, 100, 250
RGB Percent	47%, 39%, 98%
CMY	0.5294, 0.6078, 0.0196
CMYK	0.52, 0.60, 0.00, 0.02
HSL	248°, 94%, 69%
HSV	248°, 60%, 98%
XYZ	29.5582, 20.0095, 92.7468
YIQ	123.0800, -36.2300, 50.8900

Conversions

Conversions Part 2

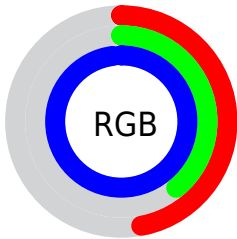
Format	Color
R_{YB}	120, 100, 250
Decimal	7890170
CIE _{Lab}	51.85, 46.30, -72.61
CIE _{LCh}	52, 86.117, 302.527
Yxy	20.0095, 0.2077, 0.1406
Android (android.graphics.Color)	4286080250 (0xFF7864FA)
YUV	123.0800, 62.5716, -2.7012
Hunter-Lab	44.7320, 39.6691, -91.6189

Details

The XYZ color **29.5582, 20.0095, 92.7468** is a light color, and the websafe version is hex **6666FF**. A complement of this color would be **69.1175, 86.1138, 25.0354**, and the grayscale version is **18.6627, 19.6347, 21.3821**.

A 20% lighter version of the original color is **48.3343, 39.5002, 99.6846**, and **12.2106, 7.0186, 50.5803** is the 20% darker color. If you saturate the color by 10%, you get **24.8453, 14.5500, 91.9419**, and if you desaturate by 10%, it is **35.6882, 27.2913, 93.8297**.

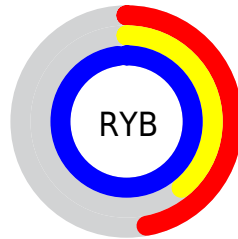
Distribution



Red (47%)

Green (39%)

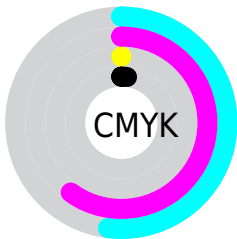
Blue (98%)



Red (47%)

Yellow (39%)

Blue (98%)

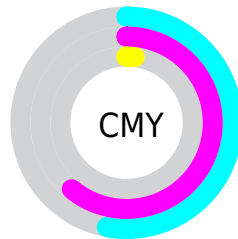


Cyan (52%)

Magenta (60%)

Yellow (0%)

Black (2%)



Cyan (53%)

Magenta (61%)

Yellow (2%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.5582, 20.0095, 92.7468 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 29.5582, 20.0095, 92.7468 by changing the saturation by 10% instead.

■ 29.5582, 20.0095,
92.7468

■ 29.5582, 20.0095,
92.7468

291.7866,
251.9665, 557.7252

■ 19.6499, 12.4019,
69.6746

■ 58.3542, 43.4331,
153.1167

■ 12.2476, 7.0180,
50.7861

■ 77.9727, 60.0180,
191.2514

■ 6.9859, 3.4734,
35.6629

■ 101.5585, 80.3640,
235.2441

■ 3.4996, 1.3836,
23.8863

■ 129.4772,
104.8557, 285.5132

■ 1.4231, 0.2046,
15.0379

162.0939,
133.8774, 342.4774

■ 0.2726, 0.0000,
8.6991

199.7742,

■ 0.0000, 0.0000,

167.8135, 406.5550

4.4513

242.8833,
207.0484, 478.1648

■ 0.0000, 0.0000,
1.8760

■ 0.0000, 0.0000,
0.4774

■ 29.5582, 20.0095,
92.7468

■ 29.5582, 20.0095,
92.7468

■ 24.8453, 14.5500,
91.9419

■ 35.6882, 27.2913,
93.8297

■ 21.4304, 10.7477,
91.3879

■ 43.3353, 36.5372,
95.2113

■ 19.1791, 8.4099,
91.0554

■ 52.5939, 47.8770,
96.9121

■ 17.8936, 7.2312,
90.8956

■ 63.5496, 61.4288,
98.9505

■ 17.8936, 7.2312,
90.8956

■ 76.2821, 77.3018,
101.3432

■ 90.8658, 95.5980,
104.1060

■ 94.2554, 99.6822,
104.7157

Harmonies

Analogous

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



19.7689, 20.0095, 113.8773



29.5582, 20.0095, 92.7468



38.1584, 20.0095, 52.3767

Triad

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



29.5582, 20.0095, 92.7468



27.8698, 20.0095, 0.9080



6.6873, 20.0095, 23.9782

Complementary

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



29.5582, 20.0095, 92.7468



69.1175, 86.1138, 25.0354

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.



7.6674, 20.0095, 6.2746



29.5582, 20.0095, 92.7468



18.2872, 20.0095, 0.2349

Square

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



29.5582, 20.0095, 92.7468



36.9920, 20.0095, 4.8046



11.3394, 20.0095, 1.1890



8.0788, 20.0095, 59.2519

Rectangle

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



29.5582, 20.0095, 92.7468



41.0138, 20.0095, 28.6631



11.3394, 20.0095, 1.1890



6.7505, 20.0095, 16.1091

Sweetspot

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



29.5592, 20.0101, 92.7473



68.9645, 67.3507, 103.9729



50.8079, 66.2054, 100.5440



13.9835, 13.4494, 22.1089



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.



29.5592, 20.0101, 92.7473



25.1408, 14.2582, 96.0348



44.3184, 27.6187, 93.4381



16.4982, 16.7540, 21.7496



9.5578, 3.8699, 48.2168



0.9499, 0.3918, 4.4687

Inverse Universe

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



58.2639, 35.1514, 78.5731



57.8739, 31.5596, 78.2825



50.0037, 76.2603, 24.1409



17.8876, 17.4824, 21.2637



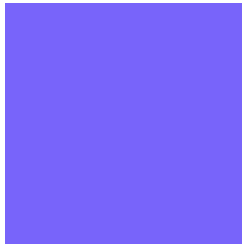
27.5706, 13.4440, 36.0430



2.5803, 1.2558, 3.4791

Previews

White Background



This preview shows how the XYZ color 29.5582, 20.0095, 92.7468 looks on a white background.

Color Contrast Check

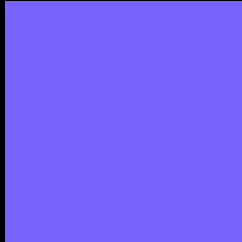
Large Text (above 18pt) WCAG AA ✓ Pass

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 29.5582, 20.0095, 92.7468 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

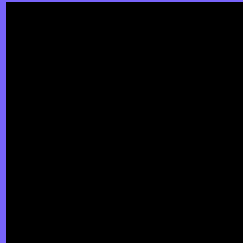
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 29.5582, 20.0095, 92.7468

Background



This preview shows how black text looks on a background with the XYZ color 29.5582, 20.0095, 92.7468.

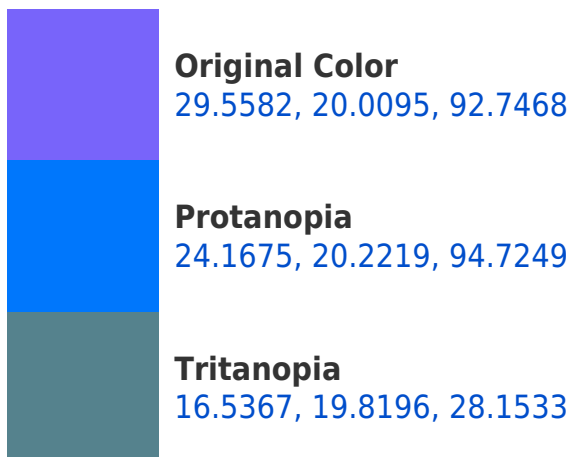


This preview shows how white text looks on a background with the XYZ color 29.5582, 20.0095,

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



Trichromacy



Original Color

29.5582, 20.0095, 92.7468



Protanomaly

24.2455, 19.0888, 93.6734



Tritanomaly

19.9743, 19.1265, 46.3551

Monochromacy



Original Color

29.5582, 20.0095, 92.7468



Achromatopsia

18.8265, 19.8069, 21.5697



Achromatomaly

21.3182, 19.2636, 40.1308

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.5582, 20.0095, 92.7468 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, 100, 250)` looks like.

```
.text, #text, p{  
    color:rgb(120, 100, 250)  
}
```

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, 100, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 100, 250) }
```

Border

The CSS property to change the border of an element to XYZ 29.5582, 20.0095, 92.7468 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, 100, 250) }
```

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

```
.border{ border-color:rgb(120, 100, 250) }
```

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

Here you see how a box with a 4 pixel `rgb(120, 100, 250)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 100, 250); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 100, 250);  
box-shadow:4px 4px 4px 4px rgb(120, 100,  
250) }
```


Background

The CSS property to change the background color of an element to XYZ 29.5582, 20.0095, 92.7468 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 100, 250) }
```

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

```
.background{ background-color: rgb(120,  
100, 250) }
```

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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