

Converting Colors

XYZ(30.9994, 30.2545, 69.8515)

Have a look what the booklet for XYZ(30.9994, 30.2545, 69.8515) contains.

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Color

**XYZ(30.9994, 30.2545,
69.8515)**

Conversions

Conversions Part 1

Format	Color
Hex	7994D9
RGB	121, 148, 217
RGB Percent	47%, 58%, 85%
CMY	0.5255, 0.4196, 0.1490
CMYK	0.44, 0.32, 0.00, 0.15
HSL	223°, 56%, 66%
HSV	223°, 44%, 85%
XYZ	30.9994, 30.2545, 69.8515
YIQ	147.7930, -38.2410, 15.7350

Conversions

Conversions Part 2

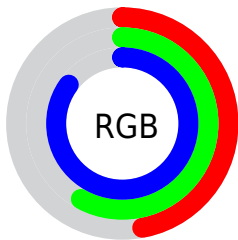
Format	Color
R_{YB}	121, 142, 217
Decimal	7967961
CIE Lab	61.87, 8.51, -38.23
CIE LCh	62, 39.164, 282.552
Yxy	30.2545, 0.2364, 0.2308
Android (android.graphics.Color)	4286158041 (0xFF7994D9)
YUV	147.7930, 34.1191, -23.4975
Hunter-Lab	55.0041, 4.3425, -36.7915

Details

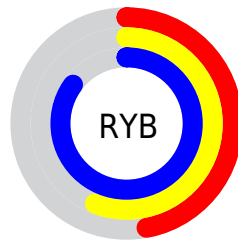
The XYZ color **30.9994, 30.2545, 69.8515** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **50.4809, 52.9603, 25.6521**, and the grayscale version is **27.9369, 29.3918, 32.0077**.

A 20% lighter version of the original color is **57.3020, 58.8082, 102.9387**, and **13.1360, 12.5023, 35.9033** is the 20% darker color. If you saturate the color by 10%, you get **26.0097, 24.2923, 68.9642**, and if you desaturate by 10%, it is **37.0049, 37.2308, 70.8821**.

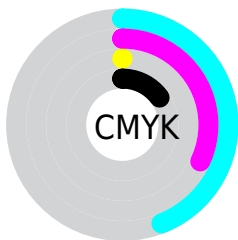
Distribution



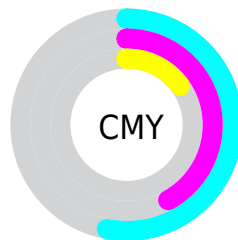
- Red (47%)
- Green (58%)
- Blue (85%)



- Red (47%)
- Yellow (56%)
- Blue (85%)



- Cyan (44%)
- Magenta (32%)
- Yellow (0%)
- Black (15%)



- Cyan (53%)
- Magenta (42%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 30.9994, 30.2545, 69.8515 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 30.9994, 30.2545, 69.8515 by changing the saturation by 10% instead.

■ 30.9994, 30.2545,
69.8515

■ 30.9994, 30.2545,
69.8515

298.3625,
303.0889, 478.8035

■ 20.7502, 20.0318,
50.9294

■ 60.6150, 60.0644,
120.6761

■ 13.0530, 12.4182,
35.7761

■ 80.7121, 80.4205,
153.4157

■ 7.5423, 7.0292,
23.9730

■ 104.8225,
104.9231, 191.5982

■ 3.8528, 3.4803,
15.1016

133.3117,
133.9567, 235.6422

■ 1.6192, 1.3874,
8.7433

166.5449,
167.9057, 285.9661

■ 0.4049, 0.2074,
4.4796

204.8875,

■ 0.0000, 0.0000,

207.1545, 342.9886

1.8920

248.7049,
252.0874, 407.1282

■ 0.0000, 0.0000,
0.4876

■ 0.0000, 0.0000,
0.0000

■ 30.9994, 30.2545,
69.8515

■ 30.9994, 30.2545,
69.8515

■ 26.0097, 24.2923,
68.9642

■ 37.0049, 37.2308,
70.8821

■ 21.9730, 19.2908,
68.2116

■ 44.0774, 45.2644,
72.0600

■ 18.8242, 15.1962,
67.5872

■ 52.2684, 54.3997,
73.3916

■ 16.4880, 11.9475,
67.0833

■ 61.6251, 64.6777,
74.8823

■ 14.8745, 9.4741,
66.6909

■ 72.1918, 76.1369,
76.5372

■ 14.1949, 8.3505,
66.5099

■ 84.0105, 88.8144,
78.3613

■ 89.5245, 97.7898,
79.8031

Harmonies

Analogous

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



25.8423, 30.2545, 68.8048



30.9994, 30.2545, 69.8515



36.1141, 30.2545, 59.0676

Triad

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



30.9994, 30.2545, 69.8515



36.8264, 30.2545, 17.0403



20.1828, 30.2545, 25.0325

Complementary

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



30.9994, 30.2545, 69.8515



50.4809, 52.9603, 25.6521

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.



22.4721, 30.2545, 15.9426



30.9994, 30.2545, 69.8515



31.8809, 30.2545, 12.3843

Square

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



30.9994, 30.2545, 69.8515



39.7423, 30.2545, 27.0660



26.6235, 30.2545, 12.0553



20.0076, 30.2545, 39.6123

Rectangle

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



30.9994, 30.2545, 69.8515



38.6452, 30.2545, 48.0962



26.6235, 30.2545, 12.0553



20.7166, 30.2545, 21.3610

Sweetspot

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



31.0005, 30.2556, 69.8522



76.7527, 79.9748, 105.9991



41.9714, 57.4004, 57.4689



15.8259, 16.4514, 22.5913



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.



31.0005, 30.2556, 69.8522



37.9780, 35.6084, 99.4792



30.4839, 24.4189, 68.7529



12.6354, 13.2105, 16.5361



8.6702, 5.2099, 40.2870



0.6339, 0.4820, 2.6341

Inverse Universe

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



40.7989, 30.5657, 31.7674



54.0980, 37.1207, 36.5984



51.0819, 62.7695, 27.5138



13.2058, 13.1114, 14.3451



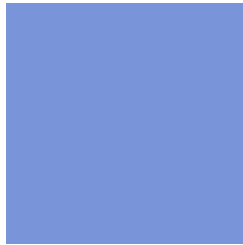
17.8717, 9.1497, 3.7042



1.1943, 0.6073, 0.4320

Previews

White Background



This preview shows how the XYZ color 30.9994, 30.2545, 69.8515 looks on a white background.

Color Contrast Check

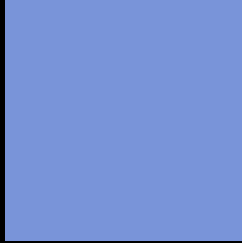
Large Text (above 18pt) WCAG AA × Fail

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 30.9994, 30.2545, 69.8515 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

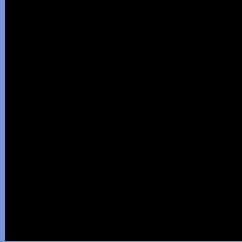
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 30.9994, 30.2545, 69.8515

Background



This preview shows how black text looks on a background with the XYZ color 30.9994, 30.2545, 69.8515.



This preview shows how white text looks on a background with the XYZ color 30.9994, 30.2545,

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

30.9994, 30.2545, 69.8515

Protanopia

31.5808, 30.3373, 69.1570

Deuteranopia

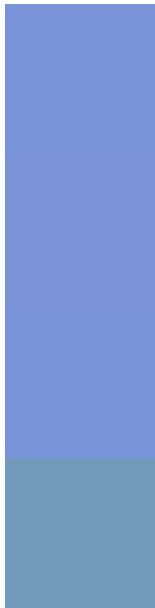
30.9994, 30.2545, 69.8515



Tritanopia

25.4970, 30.2044, 42.5164

Trichromacy



Original Color

30.9994, 30.2545, 69.8515

Protanomaly

31.2858, 30.1853, 69.1431

Deuteranomaly

30.9994, 30.2545, 69.8515

Tritanomaly

27.3353, 30.2098, 51.4041

Monochromacy



Original Color

30.9994, 30.2545, 69.8515

Achromatopsia

28.1479, 29.6138, 32.2495

Achromatomaly

28.6140, 29.6002, 43.7405

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.9994, 30.2545, 69.8515 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(121, 148, 217)` looks like.

```
.text, #text, p{  
    color:rgb(121, 148, 217)  
}
```

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(121, 148, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(121, 148, 217) }
```

Border

The CSS property to change the border of an element to XYZ 30.9994, 30.2545, 69.8515 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(121, 148, 217) }
```


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

```
.border{ border-color:rgb(121, 148, 217) }
```

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

Here you see how a box with a 4 pixel `rgb(121, 148, 217)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(121, 148, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(121, 148, 217);  
box-shadow:4px 4px 4px 4px rgb(121, 148,  
217) }
```

Background

The CSS property to change the background color of an element to XYZ 30.9994, 30.2545, 69.8515 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(121, 148, 217) }
```

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

```
.background{ background-color: rgb(121,  
148, 217) }
```

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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