

Converting Colors

XYZ(28.5270, 26.3150, 64.5493)

Have a look what the booklet for
XYZ(28.5270, 26.3150, 64.5493)
contains.

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Color

**XYZ(28.4652, 26.1920,
64.5281)**

Conversions

Conversions Part 1

Format	Color
Hex	7B87D2
RGB	123, 135, 210
RGB Percent	48%, 53%, 82%
CMY	0.5176, 0.4706, 0.1765
CMYK	0.41, 0.36, 0.00, 0.18
HSL	232°, 49%, 65%
HSV	232°, 41%, 82%
XYZ	28.4652, 26.1920, 64.5281
YIQ	139.9620, -31.2270, 20.7810

Conversions

Conversions Part 2

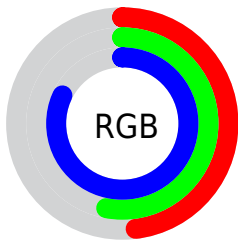
Format	Color
R_YB	123, 134, 210
Decimal	8095698
CIE _{Lab}	58.22, 14.62, -40.03
CIE _{LCh}	58, 42.615, 290.059
Yxy	26.1920, 0.2388, 0.2198
Android (android.graphics.Color)	4286285778 (0xFF7B87D2)
YUV	139.9620, 34.5287, -14.8757
Hunter-Lab	51.1781, 9.7197, -38.9313

Details

The XYZ color **28.4652, 26.1920, 64.5281** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **50.3486, 55.5213, 26.8032**, and the grayscale version is **24.7922, 26.0833, 28.4047**.

A 20% lighter version of the original color is **54.6236, 52.7701, 101.9144**, and **11.6984, 10.2873, 32.3794** is the 20% darker color. If you saturate the color by 10%, you get **23.4623, 20.1771, 63.6313**, and if you desaturate by 10%, it is **34.5438, 33.4000, 65.5995**.

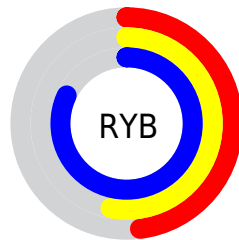
Distribution



Red (48%)

Green (53%)

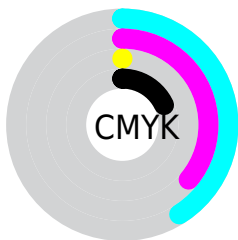
Blue (82%)



Red (48%)

Yellow (53%)

Blue (82%)

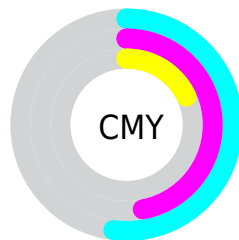


Cyan (41%)

Magenta (36%)

Yellow (0%)

Black (18%)



Cyan (52%)

Magenta (47%)

Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 28.4652, 26.1920, 64.5281 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 28.4652, 26.1920, 64.5281 by changing the saturation by 10% instead.

■ 28.4652, 26.1920,
64.5281

■ 28.4652, 26.1920,
64.5281

286.7231,
283.7233, 459.3539

■ 18.8189, 16.9673,
46.6296

■ 56.6298, 53.5845,
112.9779

■ 11.6427, 10.2112,
32.3907

■ 75.8787, 72.5212,
144.3663

■ 6.5713, 5.5392,
21.3928

■ 99.0593, 95.4639,
181.0885

■ 3.2394, 2.5670,
13.2174

126.5367,
122.7972, 223.5629

■ 1.2816, 0.9101,
7.4459

158.6765,
154.9054, 272.2081

■ 0.1694, 0.0000,
3.6599

195.8439,

■ 0.0000, 0.0000,

192.1729, 327.4426

1.4407

238.4043,
234.9841, 389.6851

■ 0.0000, 0.0000,
0.1731

■ 0.0000, 0.0000,
0.0000

■ 28.4652, 26.1920,
64.5281

■ 28.4652, 26.1920,
64.5281

■ 23.4623, 20.1771,
63.6313

■ 34.5438, 33.4000,
65.5995

■ 19.4690, 15.2875,
62.8980

■ 41.7534, 41.8581,
66.8521

■ 16.4161, 11.4529,
62.3187

■ 50.1488, 51.6231,
68.2944

■ 14.2245, 8.5940,
61.8824

■ 59.7804, 62.7474,
69.9340

■ 12.8013, 6.6194,
61.5763

■ 70.6956, 75.2806,
71.7779

■ 12.0714, 5.5301,
61.4045

■ 82.9395, 89.2697,
73.8327

■ 88.6330, 97.4332,
75.1083

Harmonies

Analogous

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



23.2164, 26.1920, 66.7955



28.4652, 26.1920, 64.5281



33.3279, 26.1920, 51.0004

Triad

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



28.4652, 26.1920, 64.5281



31.8436, 26.1920, 11.7766



16.3249, 26.1920, 23.8771

Complementary

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



28.4652, 26.1920, 64.5281



50.3486, 55.5213, 26.8032

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.



18.0195, 26.1920, 13.8587



28.4652, 26.1920, 64.5281



26.6521, 26.1920, 8.6534

Square

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



28.4652, 26.1920, 64.5281



35.4581, 26.1920, 19.8200



21.6360, 26.1920, 9.2540



16.6701, 26.1920, 39.4497

Rectangle

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



28.4652, 26.1920, 64.5281



35.4669, 26.1920, 39.3817



21.6360, 26.1920, 9.2540



16.6648, 26.1920, 19.8631

Sweetspot

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



28.4662, 26.1930, 64.5287



76.8289, 78.9600, 105.7992



41.2882, 54.3338, 61.1054



16.0569, 16.4510, 22.5790



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.



28.4662, 26.1930, 64.5287



37.0153, 32.0471, 98.8425



31.9389, 25.6365, 64.2383



11.2933, 11.6769, 14.9023



7.4065, 3.4596, 37.4699



0.4578, 0.2809, 2.1096

Inverse Universe

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



38.0353, 29.6180, 26.6346



54.0114, 38.6152, 31.4289



45.3404, 57.1734, 27.3860



11.8742, 11.8344, 12.6133



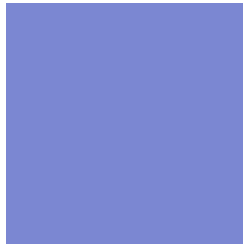
16.3692, 8.4205, 1.5843



0.9373, 0.4796, 0.2048

Previews

White Background



This preview shows how the XYZ color 28.4652, 26.1920, 64.5281 looks on a white background.

Color Contrast Check

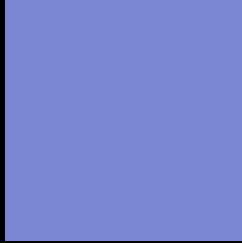
Large Text (above 18pt) WCAG AA ✓ Pass

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 28.4652, 26.1920, 64.5281 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

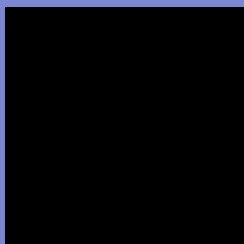
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 28.4652, 26.1920, 64.5281

Background



This preview shows how black text looks on a background with the XYZ color 28.4652, 26.1920, 64.5281.



This preview shows how white text looks on a background with the XYZ color 28.4652, 26.1920,

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

28.4652, 26.1920, 64.5281

Protanopia

27.6394, 26.1555, 65.8791

Deuteranopia

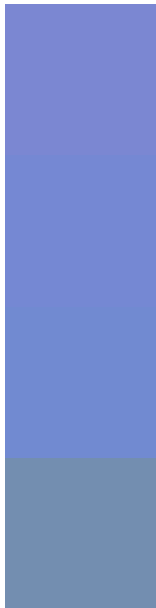
26.9256, 26.2568, 63.9705



Tritanopia

22.7951, 26.3071, 35.7746

Trichromacy



Original Color

28.4652, 26.1920, 64.5281

Protanomaly

27.8981, 26.0934, 65.1942

Deuteranomaly

27.4072, 26.2911, 63.9518

Tritanomaly

24.5797, 26.1254, 44.8215

Monochromacy



Original Color

28.4652, 26.1920, 64.5281

Achromatopsia

24.9269, 26.2251, 28.5591

Achromatomaly

25.7115, 25.9619, 39.2533

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.4652, 26.1920, 64.5281 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(123, 135, 210)` looks like.

```
.text, #text, p{  
    color:rgb(123, 135, 210)  
}
```

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(123, 135, 210) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 135, 210) }
```

Border

The CSS property to change the border of an element to XYZ 28.4652, 26.1920, 64.5281 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(123, 135, 210) }
```


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

```
.border{ border-color:rgb(123, 135, 210) }
```

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

Here you see how a box with a 4 pixel `rgb(123, 135, 210)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 135, 210); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 135, 210);  
box-shadow:4px 4px 4px 4px rgb(123, 135,  
210) }
```

Background

The CSS property to change the background color of an element to XYZ 28.4652, 26.1920, 64.5281 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 135, 210) }
```

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

```
.background{ background-color: rgb(123,  
135, 210) }
```

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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