

Converting Colors

XYZ(25.3843, 22.0639, 83.8104)

Have a look what the booklet for
XYZ(25.3843, 22.0639, 83.8104)
contains.

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Color

**XYZ(25.3128, 21.9661,
83.7947)**

Conversions

Conversions Part 1

| Format | Color |
|---------------|-----------------------------|
| Hex | 487CEE |
| RGB | 72, 124, 238 |
| RGB Percent | 28%, 49%, 93% |
| CMY | 0.7176, 0.5137, 0.0667 |
| CMYK | 0.70, 0.48, 0.00, 0.07 |
| HSL | 221°, 83%, 61% |
| HSV | 221°, 70%, 93% |
| XYZ | 25.3128, 21.9661, 83.7947 |
| YIQ | 121.4480, -67.5860, 24.4300 |

Conversions

Conversions Part 2

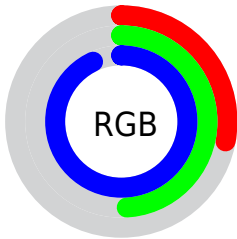
| Format | Color |
|-------------------------------------|--------------------------------|
| R _Y B | 72, 112, 238 |
| Decimal | 4750574 |
| CIE Lab | 53.99, 20.00, -62.61 |
| CIE LCh | 54, 65.724, 287.720 |
| Yxy | 21.9661, 0.1931, 0.1676 |
| Android (android.graphics.Color) | 4282940654 (0xFF487CEE) |
| YUV | 121.4480, 57.4601, -43.3659 |
| Hunter-Lab | 46.8680, 14.3865, -73.1962 |

Details

The XYZ color **25.3128, 21.9661, 83.7947** is a dark color, and the websafe version is hex **3366CC**. The color can be described as middle muted azure. A complement of this color would be **53.9914, 53.7677, 13.6653**, and the grayscale version is **18.1556, 19.1011, 20.8011**.

A 20% lighter version of the original color is **44.0566, 43.6739, 100.7156**, and **10.9249, 8.5051, 44.7819** is the 20% darker color. If you saturate the color by 10%, you get **21.9879, 17.4591, 83.1005**, and if you desaturate by 10%, it is **29.6655, 27.5072, 84.6353**.

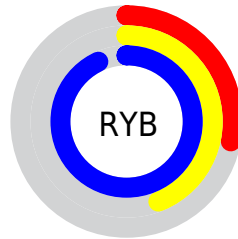
Distribution



Red (28%)

Green (49%)

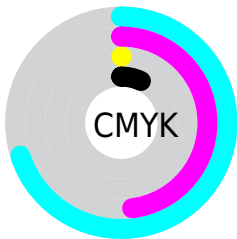
Blue (93%)



Red (28%)

Yellow (44%)

Blue (93%)

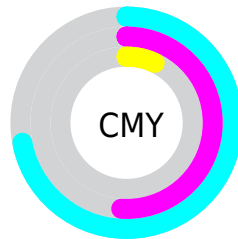


Cyan (70%)

Magenta (48%)

Yellow (0%)

Black (7%)



Cyan (72%)

Magenta (51%)

Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 25.3128, 21.9661, 83.7947 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 25.3128, 21.9661, 83.7947 by changing the saturation by 10% instead.

■ 25.3128, 21.9661,
83.7947

■ 25.3128, 21.9661,
83.7947

271.7111,
262.3692, 527.6715

■ 16.4402, 13.8320,
62.3015

■ 51.6035, 46.6900,
140.5471

■ 9.9290, 8.0039,
44.8390

■ 69.7523, 64.0485,
176.6435

■ 5.4138, 4.0974,
30.9886

■ 91.7239, 85.2506,
218.4446

■ 2.5293, 1.7282,
20.3318

■ 117.8836,
110.6808, 266.3691

■ 0.9100, 0.4418,
12.4500

148.5969,
140.7233, 320.8355

■ 0.0000, 0.0000,
6.9247

184.2290,

■ 0.0000, 0.0000,

175.7626, 382.2624

3.3373

225.1453,
216.1831, 451.0681

■ 0.0000, 0.0000,
1.2693

■ 0.0000, 0.0000,
0.0365

■ 25.3128, 21.9661,
83.7947

■ 25.3128, 21.9661,
83.7947

■ 21.9879, 17.4591,
83.1005

■ 29.6655, 27.5072,
84.6353

■ 19.5869, 13.9076,
82.5416

■ 35.1296, 34.1483,
85.6292

■ 17.9540, 11.2043,
82.1058

■ 41.7826, 41.9511,
86.7847

■ 17.9180, 11.1437,
82.0960

■ 49.6939, 50.9720,
88.1089

■ 58.9276, 61.2632,
89.6086

■ 69.5428, 72.8738,
91.2902

■ 81.5954, 85.8504,
93.1597

■ 92.3581, 98.8038,
95.0927

■ 92.4327, 98.9531,
95.1176

Harmonies

Analogous

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



18.1083, 21.9661, 86.0288



25.3128, 21.9661, 83.7947



32.6886, 21.9661, 61.0177

Triad

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



25.3128, 21.9661, 83.7947



31.4692, 21.9661, 5.0900



10.1818, 21.9661, 16.5313

Complementary

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



25.3128, 21.9661, 83.7947



53.9914, 53.7677, 13.6653

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.



12.3222, 21.9661, 6.0833



25.3128, 21.9661, 83.7947



23.9169, 21.9661, 2.4488

Square

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



25.3128, 21.9661, 83.7947



36.7600, 21.9661, 13.8857



16.9942, 21.9661, 2.6649



10.3909, 21.9661, 37.8925

Rectangle

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



25.3128, 21.9661, 83.7947



36.2212, 21.9661, 42.0035



16.9942, 21.9661, 2.6649



10.6259, 21.9661, 11.9500

Sweetspot

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



25.3138, 21.9667, 83.7953



67.3877, 69.9582, 104.5593



42.0513, 66.0489, 56.6738



13.7617, 14.2395, 22.2731



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.



25.3138, 21.9667, 83.7953



24.3074, 18.3892, 96.8761



23.2806, 13.6600, 82.2991



15.3012, 16.0365, 20.0105



10.0981, 6.4204, 45.8349



0.9257, 0.7053, 3.8416

Inverse Universe

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



41.2164, 24.2687, 21.5810



44.7269, 23.9124, 16.4148



57.6363, 74.9651, 17.5647



15.9767, 15.8404, 17.4336



20.4227, 10.4415, 4.8764



1.7422, 0.8859, 0.6332

Previews

White Background



This preview shows how the XYZ color 25.3128, 21.9661, 83.7947 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 25.3128, 21.9661, 83.7947 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

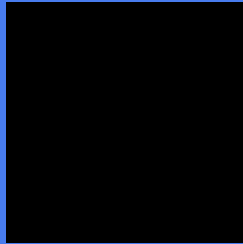
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 25.3128, 21.9661, 83.7947

Background



This preview shows how black text looks on a background with the XYZ color 25.3128, 21.9661, 83.7947.



This preview shows how white text looks on a background with the XYZ color 25.3128, 21.9661,

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

25.3128, 21.9661, 83.7947

Protanopia

25.0945, 21.8536, 83.7845

Deuteranopia

22.5401, 22.0021, 78.6601



Tritanopia

15.5057, 21.6791, 33.9391

Trichromacy



Original Color

25.3128, 21.9661, 83.7947

Protanomaly

25.1661, 21.8904, 83.7878

Deuteranomaly

22.9965, 21.5985, 80.7988

Tritanomaly

17.8469, 21.0503, 49.0214

Monochromacy



Original Color

25.3128, 21.9661, 83.7947

Achromatopsia

18.1737, 19.1202, 20.8219

Achromatomaly

19.2539, 19.4830, 37.8678

CSS Examples

Text

The CSS property to change the color of the text to XYZ 25.3128, 21.9661, 83.7947 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(72, 124, 238)` looks like.

```
.text, #text, p{  
    color:rgb(72, 124, 238)  
}
```

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(72, 124, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(72, 124, 238) }
```

Border

The CSS property to change the border of an element to XYZ 25.3128, 21.9661, 83.7947 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(72, 124, 238) }
```


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

```
.border{ border-color:rgb(72, 124, 238) }
```

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

Here you see how a box with a 4 pixel `rgb(72, 124, 238)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(72, 124, 238); -webkit-box-  
shadow:4px 4px 4px 4px rgb(72, 124, 238);  
box-shadow:4px 4px 4px 4px rgb(72, 124,  
238) }
```

Background

The CSS property to change the background color of an element to XYZ 25.3128, 21.9661, 83.7947 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(72, 124, 238) }
```

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

```
.background{ background-color: rgb(72, 124,  
238) }
```

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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