

Converting Colors

XYZ(22.7128, 13.5591, 65.0312)

Have a look what the booklet for
XYZ(22.7128, 13.5591, 65.0312)
contains.

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Color

**XYZ(22.7852, 13.5953,
65.0416)**

Conversions

Conversions Part 1

Format	Color
Hex	7D46D6
RGB	125, 70, 214
RGB Percent	49%, 27%, 84%
CMY	0.5098, 0.7255, 0.1608
CMYK	0.42, 0.67, 0.00, 0.16
HSL	263°, 64%, 56%
HSV	263°, 67%, 84%
XYZ	22.7852, 13.5953, 65.0416
YIQ	102.8610, -13.4440, 56.4440

Conversions

Conversions Part 2

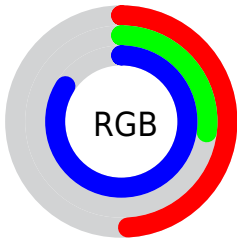
Format	Color
R _Y B	125, 70, 214
Decimal	8210134
CIE Lab	43.65, 53.51, -65.60
CIE LCh	44, 84.653, 309.203
Yxy	13.5953, 0.2247, 0.1340
Android (android.graphics.Color)	4286400214 (0xFF7D46D6)
YUV	102.8610, 54.7915, 19.4159
Hunter-Lab	36.8718, 45.7797, -78.7769

Details

The XYZ color **22.7852, 13.5953, 65.0416** is a dark color, and the websafe version is hex **6633CC**. The color can be described as middle muted purple. A complement of this color would be **39.4497, 55.9062, 14.5062**, and the grayscale version is **12.7186, 13.3809, 14.5718**.

A 20% lighter version of the original color is **44.5380, 31.2063, 98.2838**, and **8.6036, 3.9975, 32.6659** is the 20% darker color. If you saturate the color by 10%, you get **19.8732, 10.4486, 64.5880**, and if you desaturate by 10%, it is **26.4324, 17.8288, 65.6668**.

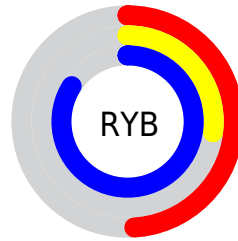
Distribution



Red (49%)

Green (27%)

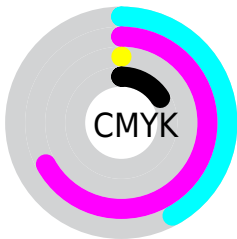
Blue (84%)



Red (49%)

Yellow (27%)

Blue (84%)

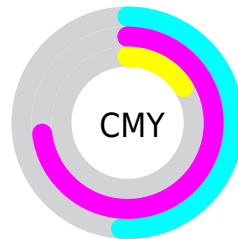


Cyan (42%)

Magenta (67%)

Yellow (0%)

Black (16%)



Cyan (51%)

Magenta (73%)

Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.7852, 13.5953, 65.0416 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 22.7852, 13.5953, 65.0416 by changing the saturation by 10% instead.

■ 22.7852, 13.5953,
65.0416

■ 22.7852, 13.5953,
65.0416

259.1758,
214.6984, 461.2517

■ 14.5548, 7.8397,
47.0433

■ 47.5096, 32.3692,
113.7235

■ 8.5918, 3.9926,
32.7153

■ 64.7344, 46.1563,
145.2442

■ 4.5309, 1.6694,
21.6391

■ 85.6880, 63.3894,
182.1093

■ 2.0066, 0.4037,
13.3962

■ 110.7358, 84.4529,
224.7375

■ 0.6377, 0.0000,
7.5680

■ 140.2431,
109.7312, 273.5473

■ 0.0000, 0.0000,
3.7360

174.5753,

■ 0.0000, 0.0000,

139.6086, 328.9573

1.4817

214.0977,
174.4695, 391.3859

■ 0.0000, 0.0000,
0.2042

■ 0.0000, 0.0000,
0.0000

■ 22.7852, 13.5953,
65.0416

■ 22.7852, 13.5953,
65.0416

■ 19.8732, 10.4486,
64.5880

■ 26.4324, 17.8288,
65.6668

■ 17.6310, 8.2756,
64.2868

■ 30.8678, 23.2439,
66.4783

■ 15.9766, 6.9276,
64.1138

■ 36.1415, 29.9260,
67.4901

■ 15.5949, 6.6373,
64.0779

■ 42.2982, 37.9523,
68.7148

■ 49.3794, 47.3934,
70.1639

■ 57.4240, 58.3150,
71.8480

■ 66.4682, 70.7786,
73.7770

■ 76.5466, 84.8423,
75.9604

■ 85.2188, 95.6148,
77.5827

Harmonies

Analogous

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



15.0727, 13.5953, 88.1509



22.7852, 13.5953, 65.0416



28.9041, 13.5953, 31.9455

Triad

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



22.7852, 13.5953, 65.0416



18.0045, 13.5953, 0.0000



3.9737, 13.5953, 21.4527

Complementary

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



22.7852, 13.5953, 65.0416



39.4497, 55.9062, 14.5062

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.



4.2855, 13.5953, 5.2475



22.7852, 13.5953, 65.0416



10.9862, 13.5953, 0.0000

Square

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



22.7852, 13.5953, 65.0416



25.5514, 13.5953, 1.6341



6.4167, 13.5953, 0.6750



5.3399, 13.5953, 52.0149

Rectangle

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



22.7852, 13.5953, 65.0416



30.3479, 13.5953, 15.3175



6.4167, 13.5953, 0.6750



3.8998, 13.5953, 14.3001

Sweetspot

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



22.7859, 13.5957, 65.0419



70.2225, 66.1701, 103.6787



27.4434, 31.7171, 68.2942



14.3850, 13.3015, 22.0592



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.



22.7859, 13.5957, 65.0419



27.9294, 13.9095, 95.8205



36.7820, 20.8110, 65.6970



12.1865, 12.2376, 15.6573



9.5336, 4.0672, 38.7357



0.6658, 0.2921, 2.3406

Inverse Universe

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



36.1797, 21.1797, 34.9808



50.1623, 26.5496, 43.6093



29.2913, 50.6694, 14.0308



12.7426, 12.5485, 14.5849



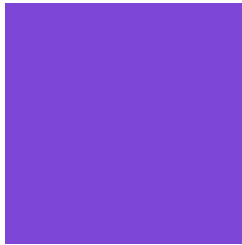
19.3422, 9.6732, 14.3720



1.2064, 0.5994, 1.0764

Previews

White Background



This preview shows how the XYZ color 22.7852, 13.5953, 65.0416 looks on a white background.

Color Contrast Check

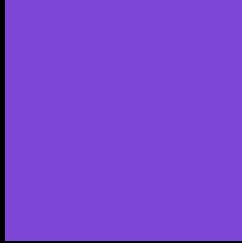
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 22.7852, 13.5953, 65.0416 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

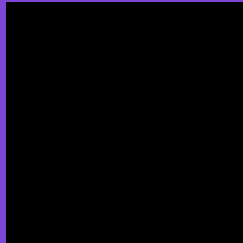
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 22.7852, 13.5953, 65.0416

Background



This preview shows how black text looks on a background with the XYZ color 22.7852, 13.5953, 65.0416.



This preview shows how white text looks on a background with the XYZ color 22.7852, 13.5953,

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

22.7852, 13.5953, 65.0416

Protanopia

16.2197, 13.6268, 63.4034

Deuteranopia

13.7013, 13.7270, 46.7272



Tritanopia

13.0863, 13.6149, 16.9771

Trichromacy



Original Color

22.7852, 13.5953, 65.0416

Protanomaly

16.4556, 12.2908, 63.7924

Deuteranomaly

14.7341, 12.2816, 52.6330

Tritanomaly

15.5168, 12.9353, 29.6959

Monochromacy



Original Color

22.7852, 13.5953, 65.0416

Achromatopsia

12.8919, 13.5633, 14.7705

Achromatomaly

15.2546, 12.8448, 27.6619

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.7852, 13.5953, 65.0416 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(125, 70, 214)` looks like.

```
.text, #text, p{  
    color:rgb(125, 70, 214)  
}
```

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(125, 70, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(125, 70, 214) }
```

Border

The CSS property to change the border of an element to XYZ 22.7852, 13.5953, 65.0416 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(125, 70, 214) }
```


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

```
.border{ border-color:rgb(125, 70, 214) }
```

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

Here you see how a box with a 4 pixel rgb(125, 70, 214) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(125, 70, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(125, 70, 214);  
box-shadow:4px 4px 4px 4px rgb(125, 70,  
214) }
```

Background

The CSS property to change the background color of an element to XYZ 22.7852, 13.5953, 65.0416 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(125, 70, 214) }
```

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

```
.background{ background-color: rgb(125, 70,  
214) }
```

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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