

Converting Colors

XYZ(24.5781, 19.9627, 70.3402)

Have a look what the booklet for
XYZ(24.5781, 19.9627, 70.3402)
contains.

XYZ(24.5323, 19.9206, 70.2622)	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>	31

Color

**XYZ(24.5323, 19.9206,
70.2622)**

Conversions

Conversions Part 1

Format	Color
Hex	6871DC
RGB	104, 113, 220
RGB Percent	41%, 44%, 86%
CMY	0.5921, 0.5569, 0.1373
CMYK	0.53, 0.49, 0.00, 0.14
HSL	235°, 62%, 64%
HSV	235°, 53%, 86%
XYZ	24.5323, 19.9206, 70.2622
YIQ	122.5070, -39.7110, 31.3690

Conversions

Conversions Part 2

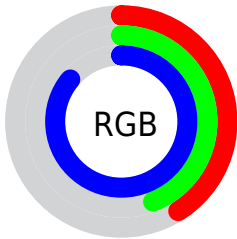
Format	Color
RYB	104, 112, 220
Decimal	6844892
CIELab	51.75, 26.33, -56.02
CIElCh	52, 61.904, 295.176
Yxy	19.9206, 0.2139, 0.1737
Android (android.graphics.Color)	4285034972 (0xFF6871DC)
YUV	122.5070, 48.0640, -16.2306
Hunter-Lab	44.6325, 20.0058, -62.0939

Details

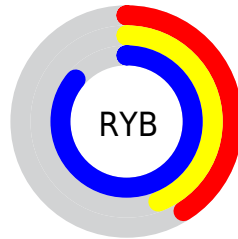
The XYZ color **24.5323, 19.9206, 70.2622** is a dark color, and the websafe version is hex **6666CC**. A complement of this color would be **55.3098, 62.8063, 22.3058**, and the grayscale version is **18.5221, 19.4867, 21.2210**.

A 20% lighter version of the original color is **46.4054, 41.8116, 100.2324**, and **9.4662, 6.9120, 35.9572** is the 20% darker color. If you saturate the color by 10%, you get **20.2872, 14.7388, 69.4862**, and if you desaturate by 10%, it is **29.9513, 26.4594, 71.2391**.

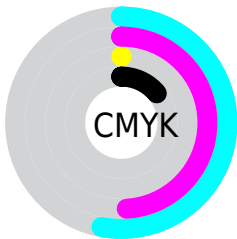
Distribution



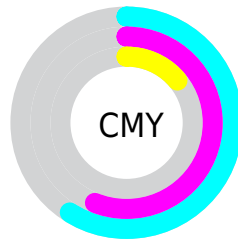
- Red (41%)
- Green (44%)
- Blue (86%)



- Red (41%)
- Yellow (44%)
- Blue (86%)



- Cyan (53%)
- Magenta (49%)
- Yellow (0%)
- Black (14%)



- Cyan (59%)
- Magenta (56%)
- Yellow (14%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 24.5323, 19.9206, 70.2622 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 24.5323, 19.9206, 70.2622 by changing the saturation by 10% instead.

■ 24.5323, 19.9206,
70.2622

■ 24.5323, 19.9206,
70.2622

267.8915,
251.4850, 480.2841

■ 15.8558, 12.3373,
51.2622

■ 50.3458, 43.2840,
121.2672

■ 9.5124, 6.9739,
36.0391

■ 68.2136, 59.8330,
154.1093

■ 5.1366, 3.4458,
24.1745

■ 89.8758, 80.1393,
192.4025

■ 2.3632, 1.3686,
15.2497

■ 115.6979,
104.5873, 236.5654

■ 0.8267, 0.1934,
8.8463

146.0451,
133.5615, 287.0164

■ 0.0000, 0.0000,
4.5456

181.2829,

■ 0.0000, 0.0000,

167.4463, 344.1742

1.9292

221.7766,
206.6260, 408.4572

■ 0.0000, 0.0000,
0.5112

■ 0.0000, 0.0000,
0.0000

■ 24.5323, 19.9206,
70.2622

■ 24.5323, 19.9206,
70.2622

■ 20.2872, 14.7388,
69.4862

■ 29.9513, 26.4594,
71.2391

■ 17.1263, 10.8165,
68.8957

■ 36.6200, 34.4395,
72.4280

■ 14.9512, 8.0462,
68.4756

■ 44.6106, 43.9409,
73.8408

■ 13.6440, 6.3012,
68.2077

■ 53.9892, 55.0369,
75.4882

■ 13.1198, 5.5702,
68.0942

■ 64.8174, 67.7961,
77.3803

■ 77.1533, 82.2831,
79.5264

■ 89.9183, 97.9473,
81.8771

Harmonies

Analogous

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



17.9393, 19.9206, 77.3958



24.5323, 19.9206, 70.2622



30.6390, 19.9206, 47.9446

Triad

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



24.5323, 19.9206, 70.2622



26.6762, 19.9206, 3.9107



9.2913, 19.9206, 18.9176

Complementary

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



24.5323, 19.9206, 70.2622



55.3098, 62.8063, 22.3058

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.



10.6694, 19.9206, 7.3557



24.5323, 19.9206, 70.2622



19.9646, 19.9206, 2.2794

Square

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



24.5323, 19.9206, 70.2622



32.0559, 19.9206, 10.0786



14.2595, 19.9206, 3.0563



9.9934, 19.9206, 39.9168

Rectangle

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



24.5323, 19.9206, 70.2622



33.1232, 19.9206, 31.7635



14.2595, 19.9206, 3.0563



9.5159, 19.9206, 14.0094

Sweetspot

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



24.5332, 19.9212, 70.2627



70.7468, 71.3599, 104.6528



42.9775, 58.7999, 70.2758



14.5558, 14.5797, 22.2969



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.



24.5332, 19.9212, 70.2627



27.9399, 20.0938, 97.0136



30.8812, 21.7770, 70.2863



12.4194, 12.7786, 16.4641



7.7313, 3.3321, 39.9741



0.5298, 0.2737, 2.5994

Inverse Universe

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



37.4469, 26.3097, 18.7278



47.9177, 30.3853, 17.1967



45.0331, 60.9196, 22.4833



13.0968, 13.0678, 13.7711



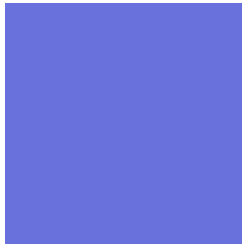
17.3977, 8.9601, 1.2086



1.1417, 0.5863, 0.1552

Previews

White Background



This preview shows how the XYZ color 24.5323, 19.9206, 70.2622 looks on a white background.

Color Contrast Check

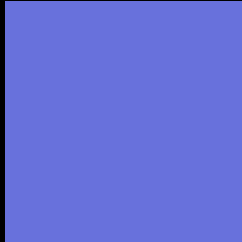
Large Text (above 18pt) WCAG AA ✓ Pass

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 24.5323, 19.9206, 70.2622 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

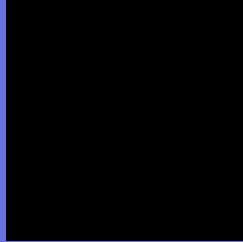
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 24.5323, 19.9206, 70.2622

Background



This preview shows how black text looks on a background with the XYZ color 24.5323, 19.9206, 70.2622.



This preview shows how white text looks on a background with the XYZ color 24.5323, 19.9206,

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

24.5323, 19.9206, 70.2622

Protanopia

22.7082, 19.9136, 74.5984

Deuteranopia

20.6947, 20.1083, 68.4362



Tritanopia

16.1407, 19.8053, 28.5633

Trichromacy



Original Color

24.5323, 19.9206, 70.2622

Protanomaly

23.2092, 19.8537, 73.1299

Deuteranomaly

21.5422, 19.7935, 69.0148

Tritanomaly

18.3938, 19.3438, 40.7945

Monochromacy



Original Color

24.5323, 19.9206, 70.2622

Achromatopsia

18.8265, 19.8069, 21.5697

Achromatomaly

19.9708, 19.3753, 35.0350

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.5323, 19.9206, 70.2622 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(104, 113, 220)` looks like.

```
.text, #text, p{  
    color:rgb(104, 113, 220)  
}
```

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(104, 113, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(104, 113, 220) }
```

Border

The CSS property to change the border of an element to XYZ 24.5323, 19.9206, 70.2622 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(104, 113, 220) }
```


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

```
.border{ border-color:rgb(104, 113, 220) }
```

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

Here you see how a box with a 4 pixel `rgb(104, 113, 220)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(104, 113, 220); -webkit-box-  
shadow:4px 4px 4px 4px rgb(104, 113, 220);  
box-shadow:4px 4px 4px 4px rgb(104, 113,  
220) }
```

Background

The CSS property to change the background color of an element to XYZ 24.5323, 19.9206, 70.2622 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(104, 113, 220) }
```

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

```
.background{ background-color: rgb(104,  
113, 220) }
```

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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