

Converting Colors

XYZ(24.1366, 20.9960, 77.6434)

Have a look what the booklet for
XYZ(24.1366, 20.9960, 77.6434)
contains.

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Color

**XYZ(24.1008, 20.9244,
77.6315)**

Conversions

Conversions Part 1

Format	Color
Hex	4C79E6
RGB	76, 121, 230
RGB Percent	30%, 47%, 90%
CMY	0.7019, 0.5255, 0.0980
CMYK	0.67, 0.47, 0.00, 0.10
HSL	222°, 75%, 60%
HSV	222°, 67%, 90%
XYZ	24.1008, 20.9244, 77.6315
YIQ	119.9710, -61.8090, 24.3590

Conversions

Conversions Part 2

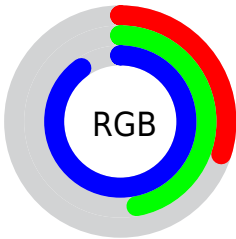
Format	Color
R_{YB}	76, 111, 230
Decimal	5011942
CIE _{Lab}	52.87, 19.63, -59.94
CIE _{LCh}	53, 63.070, 288.136
Yxy	20.9244, 0.1965, 0.1706
Android (android.graphics.Color)	4283202022 (0xFF4C79E6)
YUV	119.9710, 54.2443, -38.5626
Hunter-Lab	45.7432, 13.9960, -68.6018

Details

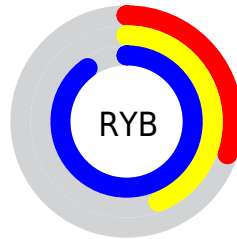
The XYZ color **24.1008, 20.9244, 77.6315** is a dark color, and the websafe version is hex **3366CC**. The color can be described as middle muted azure. A complement of this color would be **51.2891, 52.0469, 14.1820**, and the grayscale version is **17.6908, 18.6121, 20.2686**.

A 20% lighter version of the original color is **43.8088, 42.6826, 100.5373**, and **10.0225, 7.8211, 41.0258** is the 20% darker color. If you saturate the color by 10%, you get **20.7749, 16.5167, 76.9565**, and if you desaturate by 10%, it is **28.4153, 26.3377, 78.4495**.

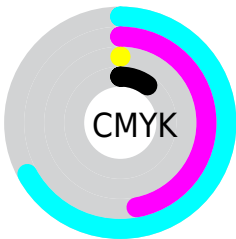
Distribution



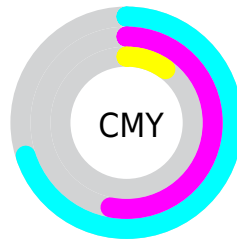
- Red (30%)
- Green (47%)
- Blue (90%)



- Red (30%)
- Yellow (44%)
- Blue (90%)



- Cyan (67%)
- Magenta (47%)
- Yellow (0%)
- Black (10%)



- Cyan (70%)
- Magenta (53%)
- Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 24.1008, 20.9244, 77.6315 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 24.1008, 20.9244, 77.6315 by changing the saturation by 10% instead.

■ 24.1008, 20.9244,
77.6315

■ 24.1008, 20.9244,
77.6315

265.7607,
256.8765, 506.4092

■ 15.5336, 13.0688,
57.2567

■ 49.6481, 44.9617,
131.8117

■ 9.2834, 7.4759,
40.8006

■ 67.3589, 61.9121,
166.4541

■ 4.9851, 3.7615,
27.8448

■ 88.8482, 82.6629,
206.6894

■ 2.2732, 1.5410,
17.9707

■ 114.4815,
107.5985, 252.9363

■ 0.7809, 0.3174,
10.7597

144.6240,
137.1032, 305.6131

■ 0.0000, 0.0000,
5.7934

179.6411,

■ 0.0000, 0.0000,

171.5616, 365.1385

2.6531

219.8983,
211.3578, 431.9310

■ 0.0000, 0.0000,
0.9197

■ 0.0000, 0.0000,
0.0000

■ 24.1008, 20.9244,
77.6315

■ 24.1008, 20.9244,
77.6315

■ 20.7749, 16.5167,
76.9565

■ 28.4153, 26.3377,
78.4495

■ 18.3447, 13.0413,
76.4138

■ 33.7937, 32.8181,
79.4168

■ 16.6985, 10.4139,
75.9934

■ 40.3068, 40.4238,
80.5416

■ 16.3020, 9.7512,
75.8864

■ 48.0180, 49.2081,
81.8307

■ 56.9862, 59.2206,
83.2907

■ 67.2660, 70.5080,
84.9275

■ 78.9088, 83.1144,
86.7472

■ 90.0959, 96.1190,
88.6677

■ 91.2830, 98.4932,
89.0634

Harmonies

Analogous

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



17.3940, 20.9244, 79.9831



24.1008, 20.9244, 77.6315



30.9016, 20.9244, 56.6157

Triad

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



24.1008, 20.9244, 77.6315



29.6043, 20.9244, 5.0306



9.8828, 20.9244, 16.1047

Complementary

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



24.1008, 20.9244, 77.6315



51.2891, 52.0469, 14.1820

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.



11.8622, 20.9244, 6.1282



24.1008, 20.9244, 77.6315



22.6097, 20.9244, 2.5223

Square

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



24.1008, 20.9244, 77.6315



34.5313, 20.9244, 13.2475



16.1972, 20.9244, 2.7669



10.1097, 20.9244, 36.0559

Rectangle

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



24.1008, 20.9244, 77.6315



34.1255, 20.9244, 39.1540



16.1972, 20.9244, 2.7669



10.2904, 20.9244, 11.7610

Sweetspot

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



24.1017, 20.9250, 77.6321



68.2574, 70.6685, 104.6506



39.9094, 61.5833, 55.0227



13.9202, 14.3565, 22.2874



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.



24.1017, 20.9250, 77.6321



25.0564, 19.2061, 96.9943



22.9084, 13.9973, 76.3578



13.9242, 14.5698, 18.2227



9.3210, 5.7041, 42.9929



0.7670, 0.5779, 3.2031

Inverse Universe

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



38.6697, 23.3738, 20.5629



45.2712, 24.7666, 17.3188



53.2088, 69.2858, 17.4083



14.5493, 14.4369, 15.8272



19.0983, 9.7735, 4.1467



1.4508, 0.7380, 0.5142

Previews

White Background



This preview shows how the XYZ color 24.1008, 20.9244, 77.6315 looks on a white background.

Color Contrast Check

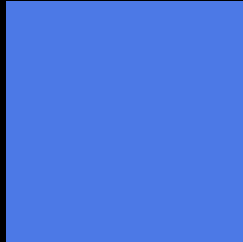
Large Text (above 18pt) WCAG AA ✓ Pass

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 24.1008, 20.9244, 77.6315 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

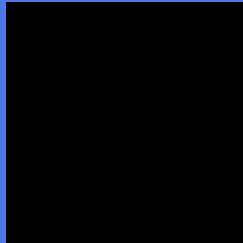
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 24.1008, 20.9244, 77.6315

Background



This preview shows how black text looks on a background with the XYZ color 24.1008, 20.9244, 77.6315.



This preview shows how white text looks on a background with the XYZ color 24.1008, 20.9244,

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

24.1008, 20.9244, 77.6315

Protanopia

23.9091, 20.9907, 78.3928

Deuteranopia

21.4466, 20.9293, 74.8609



Tritanopia

14.8185, 20.6996, 32.4926

Trichromacy



Original Color

24.1008, 20.9244, 77.6315

Protanomaly

24.0558, 21.0663, 78.3996

Deuteranomaly

21.6776, 20.4602, 75.4797

Tritanomaly

16.9684, 20.0447, 46.1547

Monochromacy



Original Color

24.1008, 20.9244, 77.6315

Achromatopsia

17.8524, 18.7821, 20.4537

Achromatomaly

18.7706, 18.9141, 35.9192

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.1008, 20.9244, 77.6315 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(76, 121, 230)` looks like.

```
.text, #text, p{  
    color:rgb(76, 121, 230)  
}
```

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(76, 121, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(76, 121, 230) }
```

Border

The CSS property to change the border of an element to XYZ 24.1008, 20.9244, 77.6315 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(76, 121, 230) }
```


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

```
.border{ border-color:rgb(76, 121, 230) }
```

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

Here you see how a box with a 4 pixel `rgb(76, 121, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(76, 121, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(76, 121, 230);  
box-shadow:4px 4px 4px 4px rgb(76, 121,  
230) }
```

Background

The CSS property to change the background color of an element to XYZ 24.1008, 20.9244, 77.6315 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(76, 121, 230) }
```

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

```
.background{ background-color: rgb(76, 121,  
230) }
```

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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