

Converting Colors

XYZ(24.0730, 13.2458, 60.2236)

Have a look what the booklet for
XYZ(24.0730, 13.2458, 60.2236)
contains.

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Color

**XYZ(24.0044, 13.1730,
60.3090)**

Conversions

Conversions Part 1

Format	Color
Hex	8F38CF
RGB	143, 56, 207
RGB Percent	56%, 22%, 81%
CMY	0.4392, 0.7804, 0.1882
CMYK	0.31, 0.73, 0.00, 0.19
HSL	275°, 61%, 52%
HSV	275°, 73%, 81%
XYZ	24.0044, 13.1730, 60.3090
YIQ	99.2270, 3.3810, 65.4050

Conversions

Conversions Part 2

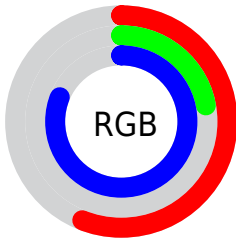
Format	Color
R _{YB}	143, 56, 207
Decimal	9386191
CIE _{Lab}	43.02, 61.64, -62.49
CIE _{LCh}	43, 87.773, 314.610
Y _{xy}	13.1730, 0.2462, 0.1351
Android (android.graphics.Color)	4287576271 (0xFF8F38CF)
Y _{UV}	99.2270, 53.1321, 38.3889
Hunter-Lab	36.2946, 54.5400, -73.1130

Details

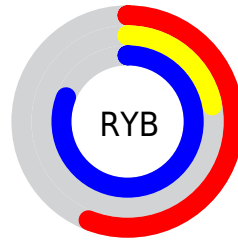
The XYZ color **24.0044, 13.1730, 60.3090** is a dark color, and the websafe version is hex **9933CC**. The color can be described as dark muted purple. A complement of this color would be **30.7724, 48.9044, 11.5592**, and the grayscale version is **11.7872, 12.4010, 13.5047**.

A 20% lighter version of the original color is **47.8218, 31.0064, 98.0721**, and **9.5052, 4.2454, 30.0242** is the 20% darker color. If you saturate the color by 10%, you get **21.7407, 10.8122, 59.9729**, and if you desaturate by 10%, it is **26.8027, 16.4250, 60.7895**.

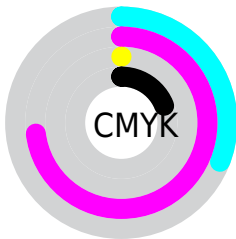
Distribution



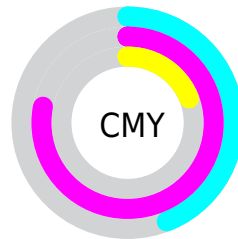
- Red (56%)
- Green (22%)
- Blue (81%)



- Red (56%)
- Yellow (22%)
- Blue (81%)



- Cyan (31%)
- Magenta (73%)
- Yellow (0%)
- Black (19%)



- Cyan (44%)
- Magenta (78%)
- Yellow (19%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 24.0044, 13.1730, 60.3090 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 24.0044, 13.1730, 60.3090 by changing the saturation by 10% instead.

24.0044, 13.1730,
60.3090

24.0044, 13.1730,
60.3090

265.2828,
212.0234, 443.5720

15.4616, 7.5478,
43.2408

49.4920, 31.6142,
106.8255

9.2324, 3.8070,
29.7413

67.1676, 45.1990,
137.1110

4.9514, 1.5662,
19.3919

88.6181, 62.2058,
172.6392

2.2532, 0.3346,
11.7742

114.2089, 83.0190,
213.8289

0.7706, 0.0000,
6.4694

144.3055,
108.0230, 261.0985

0.0000, 0.0000,
3.0592

179.2731,

0.0000, 0.0000,

137.6021, 314.8665

1.1249

219.4770,
172.1408, 375.5515

■ 0.0000, 0.0000,
0.0000

■ 24.0044, 13.1730,
60.3090

■ 24.0044, 13.1730,
60.3090

■ 21.7407, 10.8122,
59.9729

■ 26.8027, 16.4250,
60.7895

■ 19.9521, 9.2299,
59.7618

■ 30.1818, 20.6592,
61.4287

■ 18.9071, 8.4459,
59.6655

■ 34.1845, 25.9567,
62.2402

■ 38.8487, 32.3893,
63.2360

■ 44.2088, 40.0227,
64.4269

■ 50.2967, 48.9171,
65.8228

■ 57.1424, 59.1289,
67.4331

■ 64.7738, 70.7109,
69.2664

■ 73.2174, 83.7130,
71.3311

Harmonies

Analogous

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



16.0819, 13.1730, 88.5706



24.0044, 13.1730, 60.3090



29.6317, 13.1730, 26.6196

Triad

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



24.0044, 13.1730, 60.3090



16.2843, 13.1730, 0.0000



3.7011, 13.1730, 25.8887

Complementary

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



24.0044, 13.1730, 60.3090



30.7724, 48.9044, 11.5592

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.



3.7215, 13.1730, 6.5760



24.0044, 13.1730, 60.3090



9.5281, 13.1730, 0.0000

Square

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



24.0044, 13.1730, 60.3090



24.1976, 13.1730, 0.8765



5.4467, 13.1730, 0.8174



5.3753, 13.1730, 59.3822

Rectangle

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



24.0044, 13.1730, 60.3090



30.3889, 13.1730, 11.5625



5.4467, 13.1730, 0.8174



3.5363, 13.1730, 17.5374

Sweetspot

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



24.0050, 13.1735, 60.3093



71.4775, 65.0469, 103.3958



19.7838, 19.1264, 61.6808



14.7655, 13.1538, 22.0107



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.



24.0050, 13.1735, 60.3093



33.0055, 15.6418, 95.8873



37.2170, 20.1222, 54.7060



11.8066, 11.7491, 14.8892



12.0224, 5.3781, 37.5969



0.7618, 0.3469, 2.1064

Inverse Universe

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



30.5366, 17.4500, 19.5278



45.4666, 23.7180, 21.8213



24.9293, 45.8608, 12.7030



12.0137, 11.8902, 13.3478



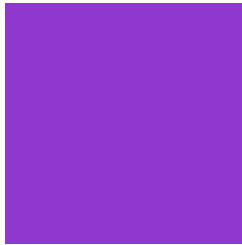
17.3604, 8.8170, 6.8038



1.0100, 0.5087, 0.5873

Previews

White Background



This preview shows how the XYZ color 24.0044, 13.1730, 60.3090 looks on a white background.

Color Contrast Check

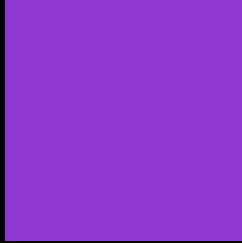
Large Text (above 18pt) WCAG AA ✓ Pass

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 24.0044, 13.1730, 60.3090 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

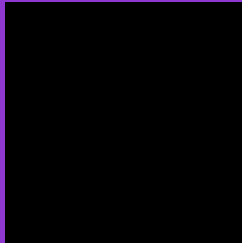
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 24.0044, 13.1730, 60.3090

Background



This preview shows how black text looks on a background with the XYZ color 24.0044, 13.1730, 60.3090.



This preview shows how white text looks on a background with the XYZ color 24.0044, 13.1730,

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

24.0044, 13.1730, 60.3090

Protanopia

15.7528, 13.2894, 61.4094

Deuteranopia

13.3938, 13.2780, 46.1130



Tritanopia

14.6638, 13.2301, 14.0927

Trichromacy



Original Color

24.0044, 13.1730, 60.3090



Protanomaly

15.8946, 11.4706, 61.0508



Deuteranomaly

14.2283, 11.3080, 50.7230



Tritanomaly

16.9624, 12.4561, 26.3212

Monochromacy



Original Color

24.0044, 13.1730, 60.3090



Achromatopsia

11.8596, 12.4772, 13.5877



Achromatomaly

14.7509, 11.6663, 25.5191

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.0044, 13.1730, 60.3090 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(143, 56, 207)` looks like.

```
.text, #text, p{  
    color:rgb(143, 56, 207)  
}
```

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(143, 56, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(143, 56, 207) }
```

Border

The CSS property to change the border of an element to XYZ 24.0044, 13.1730, 60.3090 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(143, 56, 207) }
```


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

```
.border{ border-color:rgb(143, 56, 207) }
```

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

Here you see how a box with a 4 pixel rgb(143, 56, 207) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(143, 56, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(143, 56, 207);  
box-shadow:4px 4px 4px 4px rgb(143, 56,  
207) }
```

Background

The CSS property to change the background color of an element to XYZ 24.0044, 13.1730, 60.3090 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(143, 56, 207) }
```

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

```
.background{ background-color: rgb(143, 56,  
207) }
```

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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