

Converting Colors

XYZ(24.6410, 13.3218, 44.6004)

Have a look what the booklet for
XYZ(24.6410, 13.3218, 44.6004)
contains.

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Color

**XYZ(24.6050, 13.3017,
44.4507)**

Conversions

Conversions Part 1

Format	Color
Hex	A430B4
RGB	164, 48, 180
RGB Percent	64%, 19%, 71%
CMY	0.3569, 0.8117, 0.2941
CMYK	0.09, 0.73, 0.00, 0.29
HSL	293°, 58%, 45%
HSV	293°, 73%, 71%
XYZ	24.6050, 13.3017, 44.4507
YIQ	97.7320, 26.7640, 65.6440

Conversions

Conversions Part 2

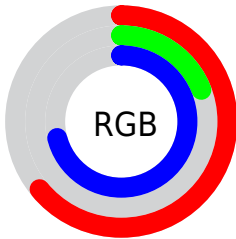
Format	Color
R_{YB}	164, 48, 180
Decimal	10760372
CIE _{Lab}	43.21, 63.43, -46.27
CIE _{LCh}	43, 78.514, 323.888
Yxy	13.3017, 0.2988, 0.1615
Android (android.graphics.Color)	4288950452 (0xFFA430B4)
YUV	97.7320, 40.5581, 58.1170
Hunter-Lab	36.4715, 56.5975, -46.7314

Details

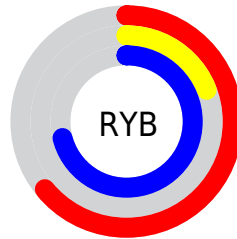
The XYZ color **24.6050, 13.3017, 44.4507** is a dark color, and the websafe version is hex **990099**. A complement of this color would be **18.9696, 33.9463, 8.3493**, and the grayscale version is **11.4417, 12.0376, 13.1089**.

A 20% lighter version of the original color is **50.4186, 31.8938, 82.8556**, and **9.9502, 4.6945, 20.1204** is the 20% darker color. If you saturate the color by 10%, you get **23.5663, 11.8866, 44.2325**, and if you desaturate by 10%, it is **25.9511, 15.3191, 44.7694**.

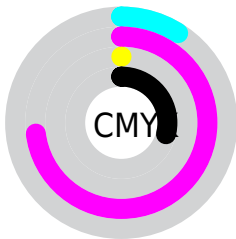
Distribution



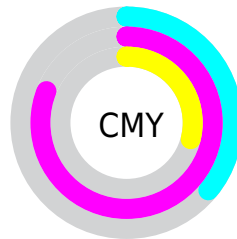
- Red (64%)
- Green (19%)
- Blue (71%)



- Red (64%)
- Yellow (19%)
- Blue (71%)



- Cyan (9%)
- Magenta (73%)
- Yellow (0%)
- Black (29%)





- Cyan (36%)
- Magenta (81%)
- Yellow (29%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 24.6050, 13.3017, 44.4507 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 24.6050, 13.3017, 44.4507 by changing the saturation by 10% instead.


 24.6050, 13.3017,
44.4507


 24.6050, 13.3017,
44.4507


268.2491,
212.8423, 380.6394

 15.9102, 7.6366,
30.6852


 50.4632, 31.8447,
83.2052

 9.5511, 3.8633,
20.1028


 68.3573, 45.4915,
109.0313


 5.1623, 1.5974,
12.2850


 90.0485, 62.5676,
139.7146

 2.3785, 0.3558,
6.8132

 115.9023, 83.4575,
175.6738

 0.8344, 0.0000,
3.2689

 146.2838,
108.5455, 217.3273

 0.0000, 0.0000,
1.2335

 181.5586,

 0.0000, 0.0000,

138.2160, 265.0937

0.0063

222.0919,
172.8535, 319.3915

■ 0.0000, 0.0000,
0.0000

■ 24.6050, 13.3017,
44.4507

■ 24.6050, 13.3017,
44.4507

■ 23.5663, 11.8866,
44.2325

■ 25.9511, 15.3191,
44.7694

■ 22.7947, 10.9947,
44.1010

■ 27.6352, 18.0017,
45.1984

■ 22.3748, 10.5830,
44.0437

■ 29.6861, 21.4061,
45.7474

■ 32.1289, 25.5828,
46.4248

■ 34.9865, 30.5773,
47.2383

■ 38.2800, 36.4319,
48.1947

■ 42.0291, 43.1858,
49.3008

■ 46.2521, 50.8758,
50.5625

■ 50.9665, 59.5367,
51.9858

Harmonies

Analogous

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



17.9806, 13.3017, 71.5535



24.6050, 13.3017, 44.4507



28.1540, 13.3017, 18.3401

Triad

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



24.6050, 13.3017, 44.4507



13.9262, 13.3017, 0.0000



4.6941, 13.3017, 32.6660

Complementary

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



24.6050, 13.3017, 44.4507



18.9696, 33.9463, 8.3493

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.



4.2284, 13.3017, 11.2091



24.6050, 13.3017, 44.4507



8.4822, 13.3017, 0.1901

Square

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



24.6050, 13.3017, 44.4507



20.8411, 13.3017, 0.7746



5.3655, 13.3017, 2.3673



6.9379, 13.3017, 61.7221

Rectangle

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



24.6050, 13.3017, 44.4507



27.6881, 13.3017, 7.8522



5.3655, 13.3017, 2.3673



4.3622, 13.3017, 24.0753

Sweetspot

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



24.6055, 13.3023, 44.4510



63.9729, 56.3874, 85.8067



11.3826, 7.7742, 44.0809



13.5087, 11.6267, 18.4544



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



24.6055, 13.3023, 44.4510



41.8145, 20.4524, 80.0384



24.0173, 13.4727, 23.0219



8.7467, 8.5934, 10.7040



15.6540, 7.4057, 30.7414



0.5209, 0.2476, 0.9686

Inverse Universe

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



20.8052, 12.1879, 6.1070



35.1945, 18.6905, 5.1420



19.6704, 34.1232, 16.7136



8.5369, 8.5215, 9.0597



13.2506, 6.8178, 1.2135



0.4303, 0.2199, 0.1085

Previews

White Background



This preview shows how the XYZ color 24.6050, 13.3017, 44.4507 looks on a white background.

Color Contrast Check

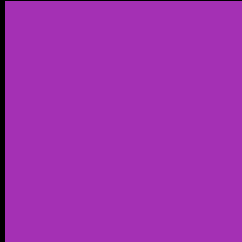
Large Text (above 18pt) WCAG AA ✓ Pass

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 24.6050, 13.3017, 44.4507 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

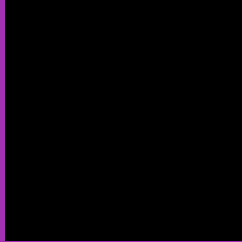
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 24.6050, 13.3017, 44.4507

Background



This preview shows how black text looks on a background with the XYZ color 24.6050, 13.3017, 44.4507.



This preview shows how white text looks on a background with the XYZ color 24.6050, 13.3017,

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

24.6050, 13.3017, 44.4507

Protanopia

16.0947, 13.5768, 62.7451

Deuteranopia

13.8883, 13.5106, 40.4039



Tritanopia

17.6116, 13.2484, 10.6458

Trichromacy



Original Color

24.6050, 13.3017, 44.4507



Protanomaly

15.0409, 10.8215, 55.3288



Deuteranomaly

15.5571, 11.7293, 41.4884



Tritanomaly

19.2896, 12.7046, 19.5247

Monochromacy



Original Color

24.6050, 13.3017, 44.4507



Achromatopsia

11.6093, 12.2139, 13.3009



Achromatomaly

14.7910, 11.4334, 21.8494

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.6050, 13.3017, 44.4507 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(164, 48, 180)` looks like.

```
.text, #text, p{  
    color:rgb(164, 48, 180)  
}
```

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(164, 48, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 48, 180) }
```

Border

The CSS property to change the border of an element to XYZ 24.6050, 13.3017, 44.4507 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(164, 48, 180) }
```


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

```
.border{ border-color:rgb(164, 48, 180) }
```

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

Here you see how a box with a 4 pixel `rgb(164, 48, 180)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 48, 180); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 48, 180);  
box-shadow:4px 4px 4px 4px rgb(164, 48,  
180) }
```

Background

The CSS property to change the background color of an element to XYZ 24.6050, 13.3017, 44.4507 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 48, 180) }
```

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

```
.background{ background-color: rgb(164, 48,  
180) }
```

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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