

Converting Colors

XYZ(48.1326, 44.2264, 95.5810)

Have a look what the booklet for
XYZ(48.1326, 44.2264, 95.5810)
contains.

XYZ(48.0512, 44.1351, 95.6089)	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(48.0512, 44.1351,
95.6089)**

Conversions

Conversions Part 1

Format	Color
Hex	AAAAF9
RGB	170, 170, 249
RGB Percent	67%, 67%, 98%
CMY	0.3333, 0.3333, 0.0235
CMYK	0.32, 0.32, 0.00, 0.02
HSL	240°, 87%, 82%
HSV	240°, 32%, 98%
XYZ	48.0512, 44.1351, 95.6089
YIQ	179.0060, -25.3590, 24.5690

Conversions

Conversions Part 2

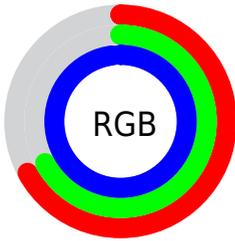
Format	Color
R _Y B	170, 170, 249
Decimal	11184889
CIE Lab	72.32, 17.63, -39.24
CIE LCh	72, 43.022, 294.191
Yxy	44.1351, 0.2559, 0.2350
Android (android.graphics.Color)	4289374969 (0xFFAAAF9)
YUV	179.0060, 34.5070, -7.8983
Hunter-Lab	66.4343, 12.8472, -38.8233

Details

The XYZ color **48.0512, 44.1351, 95.6089** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **80.1992, 90.7943, 51.3300**, and the grayscale version is **42.6839, 44.9068, 48.9035**.

A 20% lighter version of the original color is **76.6538, 77.4013, 105.5076**, and **23.0631, 20.4075, 52.5927** is the 20% darker color. If you saturate the color by 10%, you get **38.9355, 33.1512, 93.9700**, and if you desaturate by 10%, it is **59.0733, 57.4159, 97.5922**.

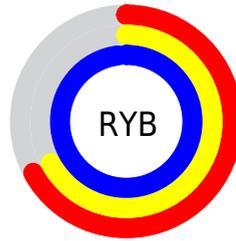
Distribution



Red (67%)

Green (67%)

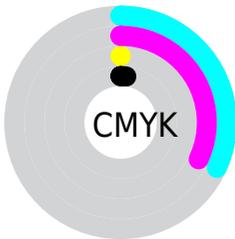
Blue (98%)



Red (67%)

Yellow (67%)

Blue (98%)

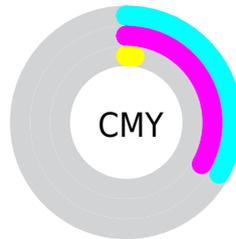


Cyan (32%)

Magenta (32%)

Yellow (0%)

Black (2%)



Cyan (33%)

Magenta (33%)

Yellow (2%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 48.0512, 44.1351, 95.6089 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 48.0512, 44.1351, 95.6089 by changing the saturation by 10% instead.

■ 48.0512, 44.1351,
95.6089

■ 48.0512, 44.1351,
95.6089

369.5742,
363.2593, 567.1465

■ 34.0789, 30.7767,
72.0422

■ 86.4899, 81.4210,
157.1084

■ 23.1174, 20.4289,
52.7061

111.6869,
106.1173, 195.8782

■ 14.8014, 12.7072,
37.1821

141.3562,
135.3617, 240.5528

■ 8.7655, 7.2272,
25.0516

175.8631,
169.5387, 291.5507

■ 4.6444, 3.6046,
15.8961

215.5730,
209.0325, 349.2905

■ 2.0728, 1.4549,
9.2971

260.8513,

■ 0.6744, 0.2567,

254.2276, 414.1907

4.8360

312.0632,
305.5084, 486.6699

■ 0.0000, 0.0000,
2.0943

■ 0.0000, 0.0000,
0.6124

■ 48.0512, 44.1351,
95.6089

■ 48.0512, 44.1351,
95.6089

■ 38.9355, 33.1512,
93.9700

■ 59.0733, 57.4159,
97.5922

■ 31.6140, 24.3291,
92.6531

■ 72.0965, 73.1080,
99.9347

■ 25.9695, 17.5279,
91.6378

■ 87.2148, 91.3245,
102.6540

■ 21.8695, 12.5877,
90.9003

■ 94.0990, 99.6196,
103.8923

■ 19.1612, 9.3244,
90.4132

■ 17.6609, 7.5166,
90.1433

■ 17.0990, 6.8396,
90.0423

Harmonies

Analogous

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



40.5260, 44.1351, 101.0357



48.0512, 44.1351, 95.6089



54.5724, 44.1351, 76.0438

Triad

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



48.0512, 44.1351, 95.6089



50.8328, 44.1351, 22.0138



29.3310, 44.1351, 44.0498

Complementary

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



48.0512, 44.1351, 95.6089



80.1992, 90.7943, 51.3300

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.



31.4399, 44.1351, 27.9464



48.0512, 44.1351, 95.6089



43.4051, 44.1351, 17.8559

Square

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



48.0512, 44.1351, 95.6089



56.3059, 44.1351, 33.2224



36.3868, 44.1351, 19.6537



30.2671, 44.1351, 66.7537

Rectangle

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



48.0512, 44.1351, 95.6089



57.1755, 44.1351, 60.0283



36.3868, 44.1351, 19.6537



29.6987, 44.1351, 37.7912

Sweetspot

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



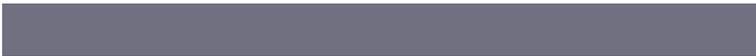
48.0527, 44.1368, 95.6099



78.6808, 80.2761, 105.9557



67.5533, 83.1380, 102.1101



16.3873, 16.6358, 22.5973



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.



48.0527, 44.1368, 95.6099



44.4142, 38.9871, 99.7921



57.9112, 49.2190, 96.0713



16.2831, 16.6431, 21.7395



9.1528, 3.6611, 48.1978



0.8477, 0.3391, 4.4639

Inverse Universe

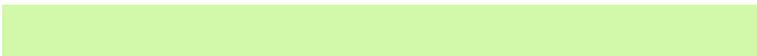
The Inverse Universe completely reimagines the original color for something new.



70.5417, 55.7303, 96.6623



71.5339, 52.9678, 101.0612



67.5688, 84.2831, 50.7389



17.9931, 17.5246, 21.8195



30.0647, 14.4416, 49.1763



2.7845, 1.3375, 4.5546

Previews

White Background



This preview shows how the XYZ color 48.0512, 44.1351, 95.6089 looks on a white background.

Color Contrast Check

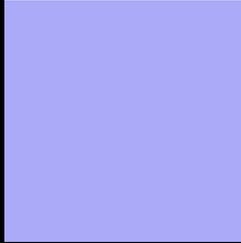
Large Text (above 18pt) WCAG AA × Fail

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 48.0512, 44.1351, 95.6089 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

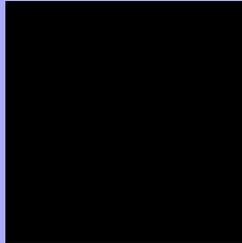
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 48.0512, 44.1351, 95.6089

Background



This preview shows how black text looks on a background with the XYZ color 48.0512, 44.1351, 95.6089.



This preview shows how white text looks on a background with the XYZ color 48.0512, 44.1351,

95.6089.

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

48.0512, 44.1351, 95.6089

Protanopia

46.0085, 44.4272, 99.0789

Deuteranopia

45.4101, 44.2096, 94.9469



Tritanopia

40.4748, 44.2570, 58.0390

Trichromacy



Original Color

48.0512, 44.1351, 95.6089

Protanomaly

46.8123, 44.2863, 98.1763

Deuteranomaly

46.1849, 44.0354, 94.8724

Tritanomaly

42.8882, 44.0320, 70.5285

Monochromacy



Original Color

48.0512, 44.1351, 95.6089

Achromatopsia

42.8472, 45.0786, 49.0906

Achromatomaly

44.3289, 44.6404, 63.4068

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.0512, 44.1351, 95.6089 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(170, 170, 249)` looks like.

```
.text, #text, p{  
    color:rgb(170, 170, 249)  
}
```

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(170, 170, 249) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 170, 249) }
```

Border

The CSS property to change the border of an element to XYZ 48.0512, 44.1351, 95.6089 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(170, 170, 249) }
```

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

```
.border{ border-color:rgb(170, 170, 249) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 170, 249)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(170, 170, 249); -webkit-box-shadow:4px 4px 4px 4px rgb(170, 170, 249); box-shadow:4px 4px 4px 4px rgb(170, 170, 249) }
```

Background

The CSS property to change the background color of an element to XYZ 48.0512, 44.1351, 95.6089 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 170, 249) }
```

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

```
.background{ background-color: rgb(170,  
170, 249) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor