

Converting Colors

XYZ(46.9769, 45.5892, 91.6970)

Have a look what the booklet for
XYZ(46.9769, 45.5892, 91.6970)
contains.

XYZ(47.1555, 45.7625, 91.9356)	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(47.1555, 45.7625,
91.9356)**

Conversions

Conversions Part 1

Format	Color
Hex	A3B1F4
RGB	163, 177, 244
RGB Percent	64%, 69%, 96%
CMY	0.3608, 0.3059, 0.0431
CMYK	0.33, 0.27, 0.00, 0.04
HSL	230°, 79%, 80%
HSV	230°, 33%, 96%
XYZ	47.1555, 45.7625, 91.9356
YIQ	180.4520, -29.8510, 17.8690

Conversions

Conversions Part 2

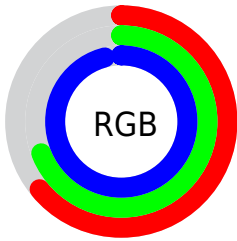
Format	Color
R_{YB}	163, 175, 244
Decimal	10727924
CIE _{Lab}	73.39, 10.52, -34.91
CIE _{LCh}	73, 36.460, 286.765
Yxy	45.7625, 0.2551, 0.2476
Android (android.graphics.Color)	4288918004 (0xFFA3B1F4)
YUV	180.4520, 31.3292, -15.3054
Hunter-Lab	67.6480, 6.0433, -33.2233

Details

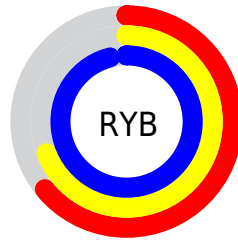
The XYZ color **47.1555, 45.7625, 91.9356** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **72.2168, 78.4718, 45.9922**, and the grayscale version is **43.4749, 45.7389, 49.8097**.

A 20% lighter version of the original color is **76.7041, 80.7135, 106.1443**, and **22.7174, 21.5493, 50.5390** is the 20% darker color. If you saturate the color by 10%, you get **38.9373, 36.0400, 90.4929**, and if you desaturate by 10%, it is **56.9302, 57.1646, 93.6220**.

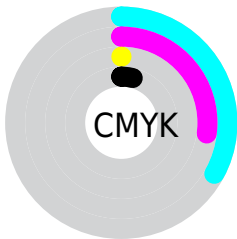
Distribution



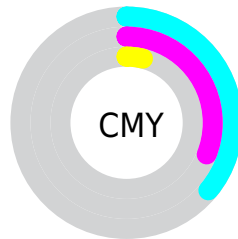
- Red (64%)
- Green (69%)
- Blue (96%)



- Red (64%)
- Yellow (69%)
- Blue (96%)



- Cyan (33%)
- Magenta (27%)
- Yellow (0%)
- Black (4%)



- Cyan (36%)
- Magenta (31%)
- Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 47.1555, 45.7625, 91.9356 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 47.1555, 45.7625, 91.9356 by changing the saturation by 10% instead.

■ 47.1555, 45.7625,
91.9356

■ 47.1555, 45.7625,
91.9356

366.0734,
369.8530, 555.0391

■ 33.3671, 32.0584,
69.0044

■ 85.1630, 83.8634,
151.9831

■ 22.5684, 21.4061,
50.2435

■ 110.1128,
109.0291, 189.9364

■ 14.3941, 13.4212,
35.2344

139.5138,
138.7841, 233.7342

■ 8.4788, 7.7192,
23.5585

173.7312,
173.5129, 283.7950

■ 4.4572, 3.9158,
14.7973

213.1306,
213.5997, 340.5374

■ 1.9639, 1.6266,
8.5322

258.0772,

■ 0.6136, 0.3754,

259.4291, 404.3798

4.3447

308.9363,
311.3854, 475.7409

■ 0.0000, 0.0000,
1.8163

■ 0.0000, 0.0000,
0.4387

■ 47.1555, 45.7625,
91.9356

■ 47.1555, 45.7625,
91.9356

■ 38.9373, 36.0400,
90.4929

■ 56.9302, 57.1646,
93.6220

■ 32.1895, 27.9114,
89.2796

■ 68.3321, 70.3156,
95.5595

■ 26.8246, 21.2916,
88.2846

■ 81.4331, 85.2876,
97.7589

■ 22.7439, 16.0850,
87.4947

■ 93.3293, 99.3117,
99.8388

■ 19.8345, 12.1845,
86.8952

■ 17.9631, 9.4667,
86.4692

■ 17.1635, 8.2001,
86.2669

Harmonies

Analogous

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



40.7297, 45.7625, 92.7861



47.1555, 45.7625, 91.9356



53.1260, 45.7625, 78.1880

Triad

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



47.1555, 45.7625, 91.9356



52.5140, 45.7625, 28.2496



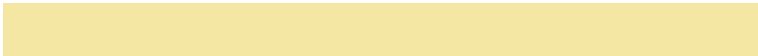
32.5495, 45.7625, 42.1619

Complementary

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



47.1555, 45.7625, 91.9356



72.2168, 78.4718, 45.9922

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.



35.1061, 45.7625, 29.3177



47.1555, 45.7625, 91.9356



46.3846, 45.7625, 22.7230

Square

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



47.1555, 45.7625, 91.9356



56.4222, 45.7625, 40.3078



40.0307, 45.7625, 23.0586



32.7120, 45.7625, 60.7393

Rectangle

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



47.1555, 45.7625, 91.9356



55.8571, 45.7625, 65.1209



40.0307, 45.7625, 23.0586



33.1078, 45.7625, 37.1383

Sweetspot

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



47.1571, 45.7643, 91.9367



79.9194, 82.7534, 106.3685



61.6199, 78.1544, 86.0772



16.6840, 17.2293, 22.6962



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.



47.1571, 45.7643, 91.9367



45.6801, 42.9787, 100.4959



50.3272, 43.5017, 91.3329



15.8127, 16.3896, 20.8727



9.4001, 4.5941, 46.9293



0.8904, 0.5322, 4.1460

Inverse Universe

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



58.3425, 48.6033, 47.9032



59.9467, 46.9687, 44.2499



67.9809, 82.3061, 46.9556



16.6160, 16.5293, 17.7245



20.5493, 10.5631, 2.3349



1.8385, 0.9414, 0.3759

Previews

White Background



This preview shows how the XYZ color 47.1555, 45.7625, 91.9356 looks on a white background.

Color Contrast Check

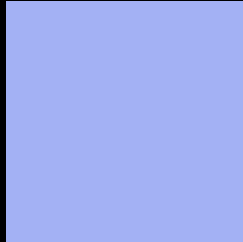
Large Text (above 18pt) WCAG AA × Fail

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 47.1555, 45.7625, 91.9356 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 47.1555, 45.7625, 91.9356

Background



This preview shows how black text looks on a background with the XYZ color 47.1555, 45.7625, 91.9356.



This preview shows how white text looks on a background with the XYZ color 47.1555, 45.7625,

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

47.1555, 45.7625, 91.9356

Protanopia

46.9475, 45.9495, 91.9827

Deuteranopia

46.7492, 45.5530, 91.9166



Tritanopia

40.9112, 45.6404, 61.2968

Trichromacy



Original Color

47.1555, 45.7625, 91.9356

Protanomaly

47.1498, 46.0538, 91.9922

Deuteranomaly

46.9516, 45.6573, 91.9261

Tritanomaly

43.0272, 45.5819, 71.4961

Monochromacy



Original Color

47.1555, 45.7625, 91.9356

Achromatopsia

43.3819, 45.6411, 49.7032

Achromatomaly

44.3552, 45.5507, 62.9543

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.1555, 45.7625, 91.9356 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(163, 177, 244)` looks like.

```
.text, #text, p{  
    color:rgb(163, 177, 244)  
}
```

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(163, 177, 244) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 177, 244) }
```

Border

The CSS property to change the border of an element to XYZ 47.1555, 45.7625, 91.9356 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(163, 177, 244) }
```


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

```
.border{ border-color:rgb(163, 177, 244) }
```

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

Here you see how a box with a 4 pixel `rgb(163, 177, 244)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 177, 244); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 177, 244);  
box-shadow:4px 4px 4px 4px rgb(163, 177,  
244) }
```

Background

The CSS property to change the background color of an element to XYZ 47.1555, 45.7625, 91.9356 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 177, 244) }
```

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

```
.background{ background-color: rgb(163,  
177, 244) }
```

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