

Converting Colors

XYZ(9.1242, 13.6505, 4.6163)

Have a look what the booklet for
XYZ(9.1242, 13.6505, 4.6163)
contains.

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Color

**XYZ(9.0895, 13.5637,
4.6216)**

Conversions

Conversions Part 1

Format	Color
Hex	47722D
RGB	71, 114, 45
RGB Percent	28%, 45%, 18%
CMY	0.7216, 0.5529, 0.8235
CMYK	0.38, 0.00, 0.61, 0.55
HSL	97°, 43%, 31%
HSV	97°, 61%, 45%
XYZ	9.0895, 13.5637, 4.6216
YIQ	93.2770, -3.4790, -30.5750

Conversions

Conversions Part 2

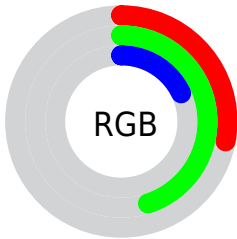
Format	Color
R_YB	45, 114, 88
Decimal	4682285
CIE Lab	43.60, -28.25, 32.99
CIE LCh	44, 43.436, 130.570
Yxy	13.5637, 0.3333, 0.4973
Android (android.graphics.Color)	4282872365 (0xFF47722D)
YUV	93.2770, -23.8006, -19.5369
Hunter-Lab	36.8289, -20.3962, 18.3400

Details

The XYZ color **9.0895, 13.5637, 4.6216** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **8.0008, 5.1668, 16.4960**, and the grayscale version is **10.5241, 11.0722, 12.0576**.

A 20% lighter version of the original color is **23.6380, 32.2003, 15.3254**, and **2.1996, 3.9400, 0.6446** is the 20% darker color. If you saturate the color by 10%, you get **8.4082, 13.2349, 3.5949**, and if you desaturate by 10%, it is **9.8918, 13.9488, 5.9642**.

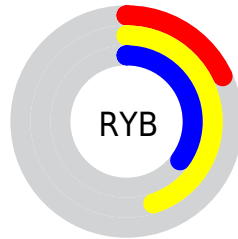
Distribution



Red (28%)

Green (45%)

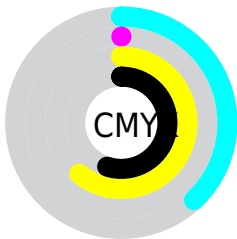
Blue (18%)



Red (18%)

Yellow (45%)

Blue (35%)

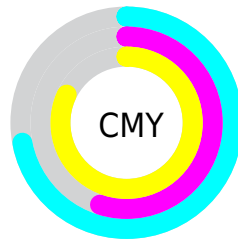


Cyan (38%)

Magenta (0%)

Yellow (61%)

Black (55%)



Cyan (72%)

Magenta (55%)

Yellow (82%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 9.0895, 13.5637, 4.6216 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 9.0895, 13.5637, 4.6216 by changing the saturation by 10% instead.

■ 9.0895, 13.5637,
4.6216

■ 9.0895, 13.5637,
4.6216

178.2371,
214.4994, 154.9024

■ 4.8572, 7.8178,
1.9722

■ 23.7338, 32.3128,
15.4197

■ 2.1976, 3.9786,
0.5381

■ 34.8764, 46.0849,
24.4055

■ 0.7415, 1.6616,
0.0000

■ 49.0532, 63.3012,
36.3405

■ 0.0000, 0.3986,
0.0000

■ 66.6296, 84.3461,
51.6432

■ 0.0000, 0.0000,
0.0000

■ 87.9708, 109.6040,
70.7322

■ 113.4422,

139.4592, 94.0261

143.4092,
174.2962, 121.9433

■ 9.0895, 13.5637,
4.6216

■ 9.0895, 13.5637,
4.6216

■ 8.4082, 13.2349,
3.5949

■ 9.8918, 13.9488,
5.9642

■ 7.8398, 12.9576,
2.8572

■ 10.8204, 14.3913,
7.6448

■ 7.3768, 12.7291,
2.3788

■ 11.8814, 14.8942,
9.6845

■ 7.0119, 12.5478,
2.0524

■ 13.0804, 15.4601,
12.1026

■ 14.4224, 16.0910,
14.9169

■ 15.9123, 16.7892,
18.1441

■ 17.5547, 17.5566,
21.7999

■ 19.3539, 18.3953,
25.8992

■ 21.3143, 19.3071,
30.4563

Harmonies

Analogous

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



11.7292, 13.5637, 2.9488



9.0895, 13.5637, 4.6216



7.6562, 13.5637, 9.3737

Triad

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



9.0895, 13.5637, 4.6216



10.8367, 13.5637, 40.4051



20.4477, 13.5637, 11.5927

Complementary

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



9.0895, 13.5637, 4.6216



8.0008, 5.1668, 16.4960

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.



20.0942, 13.5637, 21.9154



9.0895, 13.5637, 4.6216



14.1290, 13.5637, 41.8876

Square

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



9.0895, 13.5637, 4.6216



8.5353, 13.5637, 30.6038



17.6296, 13.5637, 34.0507



18.5244, 13.5637, 5.6301

Rectangle

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



9.0895, 13.5637, 4.6216



7.3963, 13.5637, 14.9557



17.6296, 13.5637, 34.0507



20.5985, 13.5637, 14.5830

Sweetspot

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



9.0898, 13.5643, 4.6219



23.4504, 27.3857, 22.2287



10.8665, 10.6732, 3.9702



5.3031, 6.2768, 4.8926



55.7959, 58.7016, 63.9261



6.5000, 6.8385, 7.4471

Same Dimension

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



9.0898, 13.5643, 4.6219



14.3163, 23.0335, 5.6929



7.7437, 12.8507, 5.4467



3.4528, 3.8188, 3.6285



7.7876, 13.9583, 2.2838



37.9020, 69.0732, 11.3348

Inverse Universe

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



8.0008, 5.1668, 16.4960



12.1838, 6.7875, 28.6434



10.4773, 6.4941, 14.3240



3.3985, 3.3937, 4.2301



6.2588, 2.8359, 17.9391



30.1983, 13.6222, 89.3168

Previews

White Background



This preview shows how the XYZ color 9.0895, 13.5637, 4.6216 looks on a white background.

Color Contrast Check

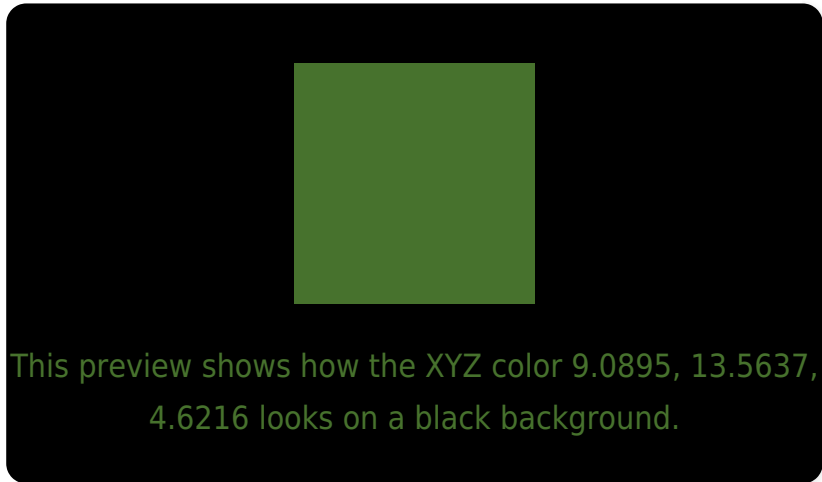
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



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 9.0895, 13.5637, 4.6216

Background



This preview shows how black text looks on a background with the XYZ color 9.0895, 13.5637, 4.6216.



This preview shows how white text looks on a background with the XYZ color 9.0895, 13.5637,

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

9.0895, 13.5637, 4.6216

Protanopia

12.2076, 13.4451, 4.1422

Deuteranopia

13.6958, 13.4777, 4.8972



Tritanopia

11.8319, 13.5470, 18.2109

Trichromacy



Original Color

9.0895, 13.5637, 4.6216

Protanomaly

10.7307, 13.2865, 4.2845

Deuteranomaly

11.5472, 13.2398, 4.7432

Tritanomaly

10.5633, 13.5097, 11.7238

Monochromacy



Original Color

9.0895, 13.5637, 4.6216

Achromatopsia

10.4043, 10.9462, 11.9204

Achromatomaly

9.7045, 11.7605, 8.5960

CSS Examples

Text

The CSS property to change the color of the text to XYZ 9.0895, 13.5637, 4.6216 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(71, 114, 45)` looks like.

```
.text, #text, p{  
  color:rgb(71, 114, 45)  
}
```

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(71, 114, 45) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(71, 114, 45) }
```

Border

The CSS property to change the border of an element to XYZ 9.0895, 13.5637, 4.6216 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(71, 114, 45) }
```


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

```
.border{ border-color:rgb(71, 114, 45) }
```

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

Here you see how a box with a 4 pixel `rgb(71, 114, 45)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(71, 114, 45); -webkit-box-  
shadow:4px 4px 4px 4px rgb(71, 114, 45);  
box-shadow:4px 4px 4px 4px rgb(71, 114,  
45) }
```

Background

The CSS property to change the background color of an element to XYZ 9.0895, 13.5637, 4.6216 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(71, 114, 45) }
```

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

```
.background{ background-color: rgb(71, 114,  
45) }
```

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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