

Converting Colors

XYZ(9.3132, 13.9678, 6.9668)

Have a look what the booklet for
XYZ(9.3132, 13.9678, 6.9668)
contains.

XYZ(9.3226, 13.9735, 6.9084)	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(9.3226, 13.9735,
6.9084)**

Conversions

Conversions Part 1

Format	Color
Hex	41743F
RGB	65, 116, 63
RGB Percent	25%, 45%, 25%
CMY	0.7451, 0.5451, 0.7529
CMYK	0.44, 0.00, 0.46, 0.55
HSL	118°, 30%, 35%
HSV	118°, 46%, 45%
XYZ	9.3226, 13.9735, 6.9084
YIQ	94.7090, -13.3830, -27.2950

Conversions

Conversions Part 2

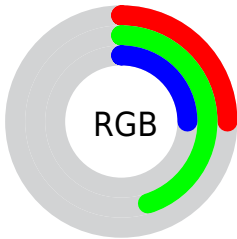
Format	Color
RYB	63, 116, 114
Decimal	4289599
CIELab	44.19, -28.87, 24.02
CIELCh	44, 37.555, 140.248
Yxy	13.9735, 0.3086, 0.4626
Android (android.graphics.Color)	4282479679 (0xFF41743F)
YUV	94.7090, -15.6325, -26.0548
Hunter-Lab	37.3811, -20.9003, 15.2094

Details

The XYZ color **9.3226, 13.9735, 6.9084** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **11.8699, 8.3938, 17.5183**, and the grayscale version is **10.8464, 11.4113, 12.4269**.

A 20% lighter version of the original color is **24.1297, 32.8881, 20.4055**, and **2.2823, 4.1435, 1.2518** is the 20% darker color. If you saturate the color by 10%, you get **8.3648, 13.5137, 5.3461**, and if you desaturate by 10%, it is **10.4956, 14.5371, 8.8381**.

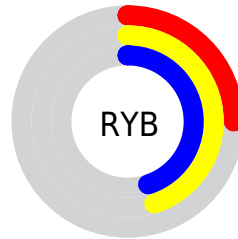
Distribution



Red (25%)

Green (45%)

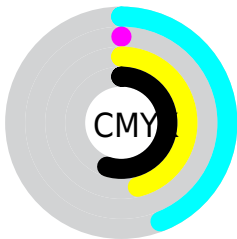
Blue (25%)



Red (25%)

Yellow (45%)

Blue (45%)

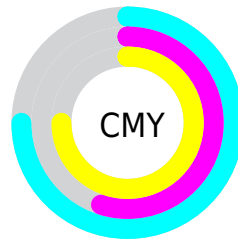


Cyan (44%)

Magenta (0%)

Yellow (46%)

Black (55%)



Cyan (75%)

Magenta (55%)

Yellow (75%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 9.3226, 13.9735, 6.9084 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 9.3226, 13.9735, 6.9084 by changing the saturation by 10% instead.

9.3226, 13.9735,
6.9084

9.3226, 13.9735,
6.9084

179.9232,
217.0659, 176.5024

5.0110, 8.1022,
3.3273

24.1747, 33.0420,
20.2984

2.2885, 4.1604,
1.2641

35.4460, 47.0080,
30.9444

0.7888, 1.7637,
0.0321

49.7678, 64.4411,
44.7825

0.0000, 0.4644,
0.0000

67.5056, 85.7256,
62.2311

0.0000, 0.0000,
0.0000

89.0246, 111.2459,
83.7089

114.6903,

141.3865, 109.6343

144.8681,
176.5317, 140.4260

■ 9.3226, 13.9735,
6.9084

■ 9.3226, 13.9735,
6.9084

■ 8.3648, 13.5137,
5.3461

■ 10.4956, 14.5371,
8.8381

■ 7.6080, 13.1498,
4.1269

■ 11.8945, 15.2085,
11.1554

■ 7.0383, 12.8755,
3.2255

■ 13.5308, 15.9934,
13.8802

■ 6.6394, 12.6830,
2.6122

■ 15.4148, 16.8968,
17.0308

■ 6.3881, 12.5616,
2.2315

■ 17.5561, 17.9234,
20.6242

■ 6.3005, 12.5196,
2.0845

■ 19.9639, 19.0775,
24.6768

■ 22.6470, 20.3632,
29.2038

■ 25.6137, 21.7846,
34.2201

■ 28.8719, 23.3455,
39.7395

Harmonies

Analogous

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



11.3838, 13.9735, 4.3843



9.3226, 13.9735, 6.9084



8.3698, 13.9735, 12.5851

Triad

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



9.3226, 13.9735, 6.9084



12.3283, 13.9735, 37.9880



19.4602, 13.9735, 10.1845

Complementary

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



9.3226, 13.9735, 6.9084



11.8699, 8.3938, 17.5183

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.



19.8146, 13.9735, 18.1873



9.3226, 13.9735, 6.9084



15.3790, 13.9735, 36.5668

Square

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



9.3226, 13.9735, 6.9084



9.9243, 13.9735, 31.7734



18.2270, 13.9735, 28.4090



17.3211, 13.9735, 5.7215

Rectangle

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



9.3226, 13.9735, 6.9084



8.3762, 13.9735, 18.3465



18.2270, 13.9735, 28.4090



19.8032, 13.9735, 12.4614

Sweetspot

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



9.3229, 13.9741, 6.9087



24.2003, 28.3121, 25.0933



14.0445, 15.9611, 7.0434



5.6436, 6.6920, 5.7697



57.3938, 60.3827, 65.7568



6.9614, 7.3239, 7.9757

Same Dimension

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



9.3229, 13.9741, 6.9087



14.5983, 23.7033, 9.2271



10.0099, 14.2338, 11.2049



3.6522, 4.1042, 3.9420



7.0666, 14.0473, 2.3390



34.2726, 68.3699, 11.3904

Inverse Universe

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



11.8699, 8.3938, 17.5183



19.6820, 12.5483, 30.4292



10.9188, 8.0437, 11.1372



3.8136, 3.7512, 4.6133



10.9793, 5.2514, 18.9775



53.3350, 25.5037, 92.4719

Previews

White Background



This preview shows how the XYZ color 9.3226, 13.9735, 6.9084 looks on a white background.

Color Contrast Check

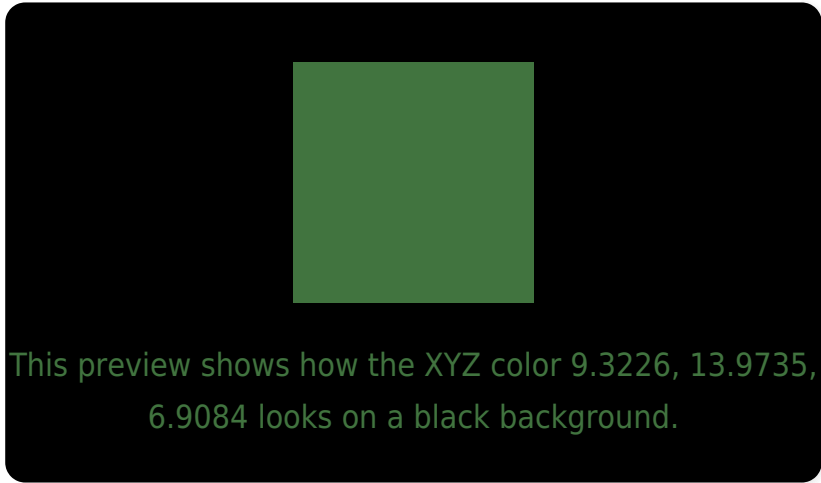
Large Text (above 18pt) WCAG AA ✓ Pass

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 9.3226, 13.9735, 6.9084

Background



This preview shows how black text looks on a background with the XYZ color 9.3226, 13.9735, 6.9084.



This preview shows how white text looks on a background with the XYZ color 9.3226, 13.9735,

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

9.3226, 13.9735, 6.9084

Protanopia

12.6792, 13.7938, 6.1319

Deuteranopia

13.9324, 13.6889, 7.2181



Tritanopia

11.8264, 13.9964, 19.2178

Trichromacy



Original Color

9.3226, 13.9735, 6.9084

Protanomaly

11.0020, 13.5382, 6.3082

Deuteranomaly

11.6285, 13.3801, 7.1240

Tritanomaly

10.6713, 13.8479, 13.6658

Monochromacy



Original Color

9.3226, 13.9735, 6.9084

Achromatopsia

10.8771, 11.4435, 12.4620

Achromatomaly

10.0677, 12.2098, 10.0097

CSS Examples

Text

The CSS property to change the color of the text to XYZ 9.3226, 13.9735, 6.9084 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(65, 116, 63)` looks like.

```
.text, #text, p{  
    color:rgb(65, 116, 63)  
}
```

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(65, 116, 63) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(65, 116, 63) }
```

Border

The CSS property to change the border of an element to XYZ 9.3226, 13.9735, 6.9084 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(65, 116, 63) }
```


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

```
.border{ border-color:rgb(65, 116, 63) }
```

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

Here you see how a box with a 4 pixel `rgb(65, 116, 63)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(65, 116, 63); -webkit-box-  
shadow:4px 4px 4px 4px rgb(65, 116, 63);  
box-shadow:4px 4px 4px 4px rgb(65, 116,  
63) }
```

Background

The CSS property to change the background color of an element to XYZ 9.3226, 13.9735, 6.9084 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(65, 116, 63) }
```

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

```
.background{ background-color: rgb(65, 116,  
63) }
```

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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