

Converting Colors

XYZ(9.6536, 13.8886, 2.8167)

Have a look what the booklet for
XYZ(9.6536, 13.8886, 2.8167)
contains.

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Color

**XYZ(9.6233, 13.8790,
2.8335)**

Conversions

Conversions Part 1

Format	Color
Hex	527214
RGB	82, 114, 20
RGB Percent	32%, 45%, 8%
CMY	0.6784, 0.5529, 0.9216
CMYK	0.28, 0.00, 0.82, 0.55
HSL	80°, 70%, 26%
HSV	80°, 82%, 45%
XYZ	9.6233, 13.8790, 2.8335
YIQ	93.7160, 11.1020, -36.0180

Conversions

Conversions Part 2

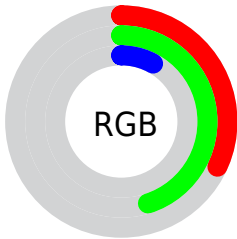
Format	Color
R_{YB}	20, 114, 52
Decimal	5403156
CIE Lab	44.06, -25.83, 44.28
CIE LCh	44, 51.267, 120.259
Yxy	13.8790, 0.3654, 0.5270
Android (android.graphics.Color)	4283593236 (0xFF527214)
YUV	93.7160, -36.3420, -10.2749
Hunter-Lab	37.2545, -19.0867, 21.5687

Details

The XYZ color **9.6233, 13.8790, 2.8335** is a dark color, and the websafe version is hex **336600**. A complement of this color would be **4.7041, 2.4456, 16.1445**, and the grayscale version is **10.6539, 11.2087, 12.2063**.

A 20% lighter version of the original color is **24.7976, 32.8912, 11.1726**, and **2.5439, 4.2035, 0.6773** is the 20% darker color. If you saturate the color by 10%, you get **9.2164, 13.6788, 2.4016**, and if you desaturate by 10%, it is **10.0972, 14.1091, 3.5156**.

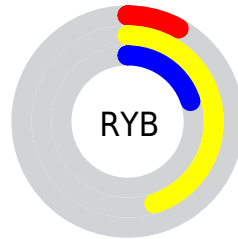
Distribution



Red (32%)

Green (45%)

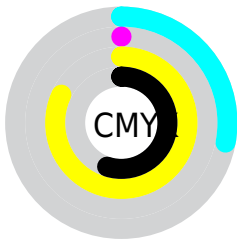
Blue (8%)



Red (8%)

Yellow (45%)

Blue (20%)

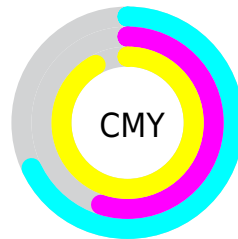


Cyan (28%)

Magenta (0%)

Yellow (82%)

Black (55%)



Cyan (68%)

Magenta (55%)

Yellow (92%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 9.6233, 13.8790, 2.8335 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 9.6233, 13.8790, 2.8335 by changing the saturation by 10% instead.

■ 9.6233, 13.8790,
2.8335

■ 9.6233, 13.8790,
2.8335

182.0724,
216.4768, 134.2109

■ 5.2103, 8.0366,
1.0103

■ 24.7407, 32.8742,
11.2148

■ 2.4072, 4.1183,
0.0000

■ 36.1757, 46.7957,
18.6098

■ 0.8487, 1.7400,
0.0000

■ 50.6821, 64.1790,
28.6993

■ 0.0000, 0.4493,
0.0000

■ 68.6253, 85.4086,
41.9017

■ 0.0000, 0.0000,
0.0000

■ 90.3705, 110.8687,
58.6355

■ 116.2832,

140.9439, 79.3192

146.7287,
176.0184, 104.3715

9.6233, 13.8790,
2.8335

9.6233, 13.8790,
2.8335

9.2164, 13.6788,
2.4016

10.0972, 14.1091,
3.5156

8.9342, 13.5388,
2.1424

10.6435, 14.3700,
4.4794

11.2680, 14.6644,
5.7519

11.9753, 14.9943,
7.3564

12.7698, 15.3614,
9.3141

■ 13.6555, 15.7673,
11.6444

■ 14.6360, 16.2135,
14.3654

■ 15.7148, 16.7015,
17.4938

■ 16.8951, 17.2326,
21.0456

Harmonies

Analogous

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



13.1562, 13.8790, 1.9452



9.6233, 13.8790, 2.8335



7.4897, 13.8790, 6.4880

Triad

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



9.6233, 13.8790, 2.8335



9.6731, 13.8790, 44.1790



22.6833, 13.8790, 15.0107

Complementary

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



9.6233, 13.8790, 2.8335



4.7041, 2.4456, 16.1445

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.



21.2337, 13.8790, 29.2053



9.6233, 13.8790, 2.8335



13.2270, 13.8790, 50.5033

Square

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



9.6233, 13.8790, 2.8335



7.5140, 13.8790, 29.4787



17.5481, 13.8790, 43.9719



21.1851, 13.8790, 6.3885

Rectangle

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



9.6233, 13.8790, 2.8335



6.8768, 13.8790, 11.6234



17.5481, 13.8790, 43.9719



22.5216, 13.8790, 19.2366

Sweetspot

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



9.6236, 13.8796, 2.8338



23.4812, 27.4713, 19.0822



8.2647, 6.0253, 1.3894



5.3336, 6.3088, 4.1577



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.



9.6236, 13.8796, 2.8338



15.6248, 23.7512, 3.8034



6.8600, 12.4549, 2.7045



3.5369, 3.8621, 3.6324



9.9268, 15.0612, 2.3839



48.5006, 74.5370, 11.8308

Inverse Universe

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



4.7041, 2.4456, 16.1445



6.7353, 2.8794, 28.1763



8.3610, 4.3308, 16.3157



3.3148, 3.3506, 4.2262



4.2877, 1.8198, 17.8469



20.5177, 8.6316, 88.8638

Previews

White Background



This preview shows how the XYZ color 9.6233, 13.8790, 2.8335 looks on a white background.

Color Contrast Check

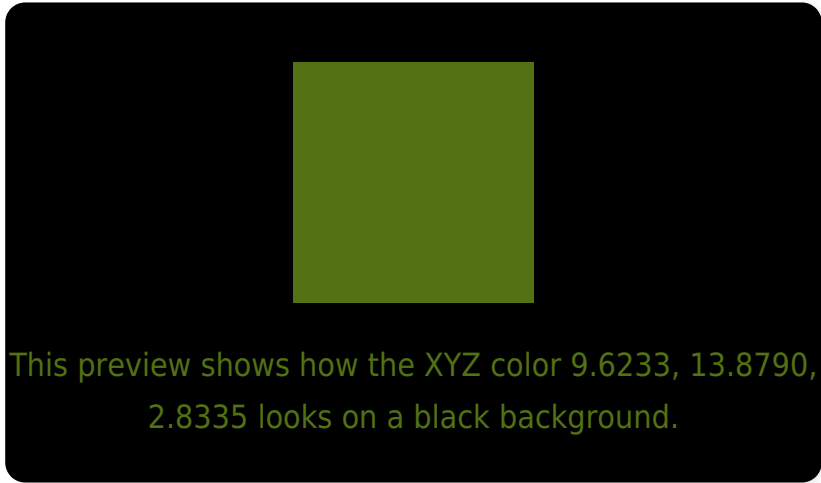
Large Text (above 18pt) WCAG AA ✓ Pass

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 9.6233, 13.8790, 2.8335

Background



This preview shows how black text looks on a background with the XYZ color 9.6233, 13.8790, 2.8335.



This preview shows how white text looks on a background with the XYZ color 9.6233, 13.8790,

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

9.6233, 13.8790, 2.8335

Protanopia

12.3876, 13.7230, 2.5262

Deuteranopia

13.8895, 13.7582, 3.0859



Tritanopia

12.6622, 13.8212, 18.2200

Trichromacy



Original Color

9.6233, 13.8790, 2.8335

Protanomaly

11.1807, 13.7119, 2.6296

Deuteranomaly

11.9468, 13.4859, 2.9507

Tritanomaly

10.9411, 13.5912, 9.6361

Monochromacy



Original Color

9.6233, 13.8790, 2.8335

Achromatopsia

10.6392, 11.1932, 12.1894

Achromatomaly

9.8832, 11.8863, 7.0836

CSS Examples

Text

The CSS property to change the color of the text to XYZ 9.6233, 13.8790, 2.8335 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(82, 114, 20)` looks like.

```
.text, #text, p{  
    color:rgb(82, 114, 20)  
}
```

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(82, 114, 20) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(82, 114, 20) }
```

Border

The CSS property to change the border of an element to XYZ 9.6233, 13.8790, 2.8335 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(82, 114, 20) }
```


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

```
.border{ border-color:rgb(82, 114, 20) }
```

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

Here you see how a box with a 4 pixel `rgb(82, 114, 20)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(82, 114, 20); -webkit-box-  
shadow:4px 4px 4px 4px rgb(82, 114, 20);  
box-shadow:4px 4px 4px 4px rgb(82, 114,  
20) }
```

Background

The CSS property to change the background color of an element to XYZ 9.6233, 13.8790, 2.8335 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(82, 114, 20) }
```

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

```
.background{ background-color: rgb(82, 114,  
20) }
```

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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