

Converting Colors

XYZ(10.2195, 14.3727, 9.8252)

Have a look what the booklet for
XYZ(10.2195, 14.3727, 9.8252)
contains.

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Color

**XYZ(10.2191, 14.3721,
9.8249)**

Conversions

Conversions Part 1

Format	Color
Hex	467450
RGB	70, 116, 80
RGB Percent	27%, 45%, 31%
CMY	0.7255, 0.5451, 0.6863
CMYK	0.40, 0.00, 0.31, 0.55
HSL	133°, 25%, 36%
HSV	133°, 40%, 45%
XYZ	10.2191, 14.3721, 9.8249
YIQ	98.1420, -15.8600, -20.9480

Conversions

Conversions Part 2

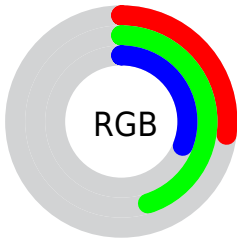
Format	Color
RYB	70, 108, 116
Decimal	4617296
CIELab	44.76, -24.15, 15.06
CIELCh	45, 28.460, 148.059
Yxy	14.3721, 0.2969, 0.4176
Android (android.graphics.Color)	4282807376 (0xFF467450)
YUV	98.1420, -8.9440, -24.6805
Hunter-Lab	37.9106, -18.2273, 11.1718

Details

The XYZ color **10.2191, 14.3721, 9.8249** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **11.9945, 9.1341, 14.7669**, and the grayscale version is **11.6695, 12.2772, 13.3699**.

A 20% lighter version of the original color is **25.7108, 33.5833, 25.8960**, and **2.6198, 4.2951, 2.2811** is the 20% darker color. If you saturate the color by 10%, you get **9.1488, 13.8569, 8.1407**, and if you desaturate by 10%, it is **11.4972, 14.9900, 11.7561**.

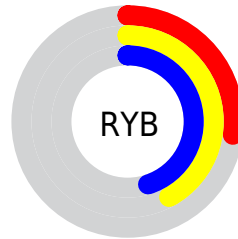
Distribution



Red (27%)

Green (45%)

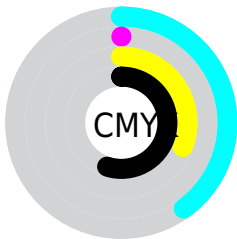
Blue (31%)



Red (27%)

Yellow (42%)

Blue (45%)

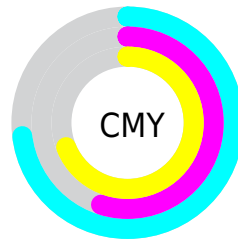


Cyan (40%)

Magenta (0%)

Yellow (31%)

Black (55%)



Cyan (73%)

Magenta (55%)

Yellow (69%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 10.2191, 14.3721, 9.8249 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 10.2191, 14.3721, 9.8249 by changing the saturation by 10% instead.

■ 10.2191, 14.3721,
9.8249

■ 10.2191, 14.3721,
9.8249

186.2499,
219.5336, 199.8569

■ 5.6078, 8.3799,
5.1789

■ 25.8527, 33.7478,
26.0683

■ 2.6465, 4.3390,
2.2921

■ 37.6059, 47.9002,
38.5028

■ 0.9697, 1.8649,
0.7268

■ 52.4703, 65.5413,
54.3705

■ 0.0000, 0.5272,
0.0000

■ 70.8114, 87.0557,
74.0900

■ 0.0000, 0.0000,
0.0000

■ 92.9946, 112.8277,
98.0799

119.3851,

143.2418, 126.7587

150.3485,
178.6823, 160.5448

■ 10.2191, 14.3721,
9.8249

■ 10.2191, 14.3721,
9.8249

■ 9.1488, 13.8569,
8.1407

■ 11.4972, 14.9900,
11.7561

■ 8.2740, 13.4371,
6.6926

■ 12.9923, 15.7139,
13.9427

■ 7.5828, 13.1071,
5.4703

■ 14.7143, 16.5491,
16.3939

■ 7.0617, 12.8602,
4.4623

■ 16.6722, 17.5002,
19.1181

■ 6.6949, 12.6886,
3.6562

■ 18.8747, 18.5714,
22.1236

■ 6.4320, 12.5665,
3.0366

■ 21.3298, 19.7667,
25.4179

■ 6.4236, 12.5626,
3.0185

■ 24.0453, 21.0899,
29.0086

■ 27.0284, 22.5446,
32.9028

■ 30.2864, 24.1345,
37.1075

Harmonies

Analogous

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



11.6708, 14.3721, 6.8768



10.2191, 14.3721, 9.8249



9.6755, 14.3721, 15.2208

Triad

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



10.2191, 14.3721, 9.8249



13.5100, 14.3721, 32.1687



17.9788, 14.3721, 10.3837

Complementary

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



10.2191, 14.3721, 9.8249



11.9945, 9.1341, 14.7669

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.



18.6117, 14.3721, 16.0847



10.2191, 14.3721, 9.8249



15.8638, 14.3721, 29.8168

Square

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



10.2191, 14.3721, 9.8249



11.4372, 14.3721, 29.1579



17.7983, 14.3721, 23.4120



16.1542, 14.3721, 7.1295

Rectangle

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



10.2191, 14.3721, 9.8249



9.8488, 14.3721, 19.9446



17.7983, 14.3721, 23.4120



18.3465, 14.3721, 12.0188

Sweetspot

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



10.2195, 14.3727, 9.8252



25.0229, 28.6808, 27.6295



13.2993, 16.0000, 8.1816



5.8987, 6.8078, 6.4910



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.



10.2195, 14.3727, 9.8252



16.1568, 24.3932, 14.4311



11.2181, 14.7721, 15.0837



3.6702, 4.1100, 4.0973



7.2021, 14.0948, 3.3545



34.8282, 68.5785, 14.9323

Inverse Universe

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



11.9945, 9.1341, 14.7669



19.7572, 13.7511, 24.4422



10.9556, 8.7185, 9.2959



3.7942, 3.7450, 4.4430



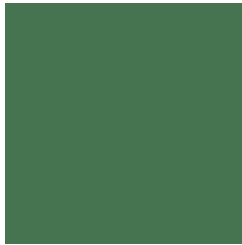
10.1844, 5.0075, 11.4452



49.3033, 24.2715, 54.0541

Previews

White Background



This preview shows how the XYZ color 10.2191, 14.3721, 9.8249 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



This preview shows how the XYZ color 10.2191, 14.3721, 9.8249 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

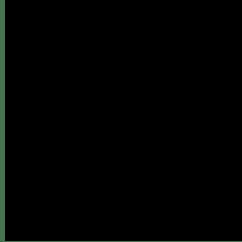
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 10.2191, 14.3721, 9.8249

Background



This preview shows how black text looks on a background with the XYZ color 10.2191, 14.3721, 9.8249.



This preview shows how white text looks on a background with the XYZ color 10.2191, 14.3721,

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

10.2191, 14.3721, 9.8249

Protanopia

13.2610, 14.1886, 8.6963

Deuteranopia

14.3834, 14.1428, 10.1554



Tritanopia

12.2165, 14.3446, 19.8942

Trichromacy



Original Color

10.2191, 14.3721, 9.8249

Protanomaly

11.8452, 14.0698, 9.1126

Deuteranomaly

12.3859, 13.8603, 10.0051

Tritanomaly

11.3566, 14.3260, 15.5312

Monochromacy



Original Color

10.2191, 14.3721, 9.8249

Achromatopsia

11.6093, 12.2139, 13.3009

Achromatomaly

10.9644, 12.9332, 11.8160

CSS Examples

Text

The CSS property to change the color of the text to XYZ 10.2191, 14.3721, 9.8249 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(70, 116, 80)` looks like.

```
.text, #text, p{  
    color:rgb(70, 116, 80)  
}
```

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(70, 116, 80) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(70, 116, 80) }
```

Border

The CSS property to change the border of an element to XYZ 10.2191, 14.3721, 9.8249 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(70, 116, 80) }
```


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

```
.border{ border-color:rgb(70, 116, 80) }
```

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

Here you see how a box with a 4 pixel `rgb(70, 116, 80)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(70, 116, 80); -webkit-box-  
shadow:4px 4px 4px 4px rgb(70, 116, 80);  
box-shadow:4px 4px 4px 4px rgb(70, 116,  
80) }
```

Background

The CSS property to change the background color of an element to XYZ 10.2191, 14.3721, 9.8249 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(70, 116, 80) }
```

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

```
.background{ background-color: rgb(70, 116,  
80) }
```

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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