

Converting Colors

XYZ(8.3324, 12.9097, 9.0464)

Have a look what the booklet for
XYZ(8.3324, 12.9097, 9.0464)
contains.

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Color

**XYZ(8.3269, 12.9040,
9.0730)**

Conversions

Conversions Part 1

Format	Color
Hex	2D714D
RGB	45, 113, 77
RGB Percent	18%, 44%, 30%
CMY	0.8235, 0.5569, 0.6980
CMYK	0.60, 0.00, 0.32, 0.56
HSL	148°, 43%, 31%
HSV	148°, 60%, 44%
XYZ	8.3269, 12.9040, 9.0730
YIQ	88.5640, -28.9720, -25.6120

Conversions

Conversions Part 2

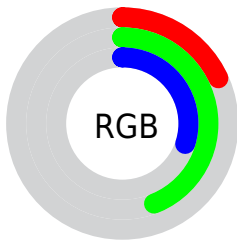
Format	Color
RYB	45, 91, 113
Decimal	2978125
CIELab	42.62, -30.60, 13.71
CIELCh	43, 33.528, 155.864
Yxy	12.9040, 0.2748, 0.4258
Android (android.graphics.Color)	4281168205 (0xFF2D714D)
YUV	88.5640, -5.7011, -38.2056
Hunter-Lab	35.9221, -21.4867, 10.1704

Details

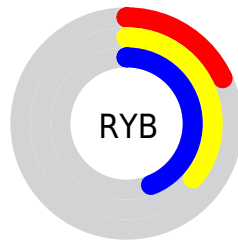
The XYZ color **8.3269, 12.9040, 9.0730** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **9.2341, 5.9819, 8.4531**, and the grayscale version is **9.4164, 9.9068, 10.7885**.

A 20% lighter version of the original color is **22.1508, 30.9580, 24.5467**, and **2.0941, 3.7711, 1.9840** is the 20% darker color. If you saturate the color by 10%, you get **7.6932, 12.6010, 7.9911**, and if you desaturate by 10%, it is **9.1139, 13.2845, 10.2641**.

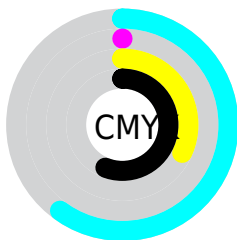
Distribution



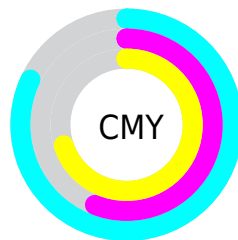
- Red (18%)
- Green (44%)
- Blue (30%)



- Red (18%)
- Yellow (36%)
- Blue (44%)



- Cyan (60%)
- Magenta (0%)
- Yellow (32%)
- Black (56%)



- Cyan (82%)
- Magenta (56%)
- Yellow (70%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 8.3269, 12.9040, 9.0730 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 8.3269, 12.9040, 9.0730 by changing the saturation by 10% instead.

8.3269, 12.9040,
9.0730

8.3269, 12.9040,
9.0730

172.5897,
210.3015, 194.1596

4.3584, 7.3625,
4.6914

22.2762, 31.1312,
24.6166

1.9068, 3.6898,
2.0118

32.9877, 44.5857,
36.6157

0.5808, 1.5016,
0.5625

46.6775, 61.4466,
51.9910

0.0000, 0.2899,
0.0000

63.7111, 82.0983,
71.1610

0.0000, 0.0000,
0.0000

84.4537, 106.9253,
94.5444

109.2708,

136.3119, 122.5595

138.5276,
170.6425, 155.6251

■ 8.3269, 12.9040,
9.0730

■ 8.3269, 12.9040,
9.0730

■ 7.6932, 12.6010,
7.9911

■ 9.1139, 13.2845,
10.2641

■ 7.2003, 12.3680,
7.0142

■ 10.0634, 13.7462,
11.5667

■ 6.8355, 12.1989,
6.1392

■ 11.1850, 14.2941,
12.9838

■ 6.5520, 12.0694,
5.3737

■ 12.4872, 14.9328,
14.5185

■ 13.9780, 15.6663,
16.1735

■ 15.6650, 16.4984,
17.9512

■ 17.5551, 17.4326,
19.8544

■ 19.6550, 18.4724,
21.8855

■ 21.9712, 19.6210,
24.0468

Harmonies

Analogous

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



9.6209, 12.9040, 5.4916



8.3269, 12.9040, 9.0730



8.0207, 12.9040, 15.5280

Triad

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



8.3269, 12.9040, 9.0730



12.7705, 12.9040, 33.0560



16.6625, 12.9040, 7.3470

Complementary

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



8.3269, 12.9040, 9.0730



9.2341, 5.9819, 8.4531

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.



17.7913, 12.9040, 12.6694



8.3269, 12.9040, 9.0730



15.3536, 12.9040, 28.7023

Square

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



8.3269, 12.9040, 9.0730



10.3747, 12.9040, 31.0645



17.2820, 12.9040, 20.5788



14.3717, 12.9040, 4.7627

Rectangle

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



8.3269, 12.9040, 9.0730



8.3751, 12.9040, 21.0758



17.2820, 12.9040, 20.5788



17.2039, 12.9040, 8.7904

Sweetspot

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



8.3272, 12.9045, 9.0733



22.7879, 26.9493, 26.4839



9.7955, 13.7615, 4.6228



5.1358, 6.1665, 5.9719



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.



8.3272, 12.9045, 9.0733



13.4161, 22.3928, 13.6312



9.8423, 13.5106, 17.0518



3.4043, 3.7869, 3.9354



7.4220, 13.6863, 6.0432



36.5434, 68.0060, 27.8445

Inverse Universe

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



9.2341, 5.9819, 8.4531



15.1966, 8.7790, 12.3968



8.2673, 5.5952, 3.3621



3.4514, 3.4283, 3.9037



8.6348, 4.3463, 5.1529



42.5749, 21.4753, 23.3575

Previews

White Background



This preview shows how the XYZ color 8.3269, 12.9040, 9.0730 looks on a white background.

Color Contrast Check

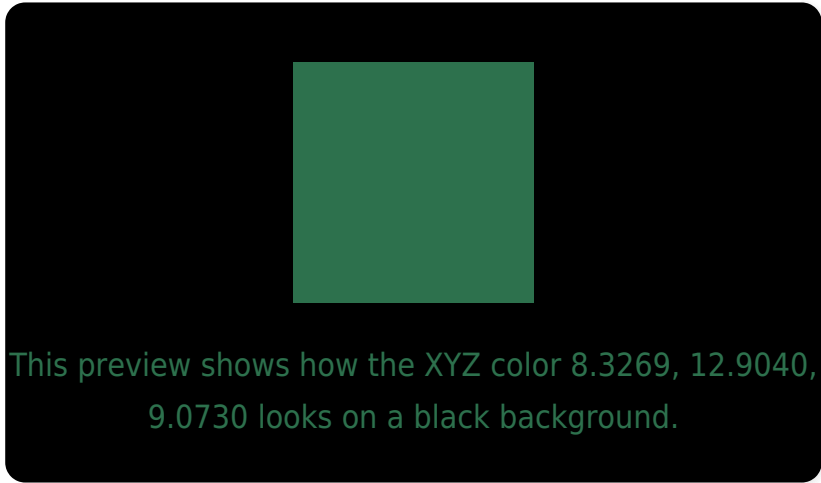
Large Text (above 18pt) WCAG AA ✓ Pass

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 8.3269, 12.9040, 9.0730

Background



This preview shows how black text looks on a background with the XYZ color 8.3269, 12.9040, 9.0730.



This preview shows how white text looks on a background with the XYZ color 8.3269, 12.9040,

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

8.3269, 12.9040, 9.0730

Protanopia

11.8788, 12.7574, 7.7976

Deuteranopia

12.8705, 12.6728, 9.5523



Tritanopia

10.3184, 12.9090, 18.7775

Trichromacy



Original Color

8.3269, 12.9040, 9.0730

Protanomaly

10.0005, 12.5155, 8.1920

Deuteranomaly

10.4158, 12.2556, 9.4060

Tritanomaly

9.4424, 12.8681, 14.5565

Monochromacy



Original Color

8.3269, 12.9040, 9.0730

Achromatopsia

9.4954, 9.9899, 10.8790

Achromatomaly

8.7550, 10.8077, 10.2190

CSS Examples

Text

The CSS property to change the color of the text to XYZ 8.3269, 12.9040, 9.0730 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(45, 113, 77)` looks like.

```
.text, #text, p{  
    color:rgb(45, 113, 77)  
}
```

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(45, 113, 77) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(45, 113, 77) }
```

Border

The CSS property to change the border of an element to XYZ 8.3269, 12.9040, 9.0730 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(45, 113, 77) }
```


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

```
.border{ border-color:rgb(45, 113, 77) }
```

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

Here you see how a box with a 4 pixel rgb(45, 113, 77) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(45, 113, 77); -webkit-box-  
shadow:4px 4px 4px 4px rgb(45, 113, 77);  
box-shadow:4px 4px 4px 4px rgb(45, 113,  
77) }
```

Background

The CSS property to change the background color of an element to XYZ 8.3269, 12.9040, 9.0730 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(45, 113, 77) }
```

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

```
.background{ background-color: rgb(45, 113,  
77) }
```

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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