

Converting Colors

XYZ(8.2302, 12.7529, 7.6585)

Have a look what the booklet for
XYZ(8.2302, 12.7529, 7.6585)
contains.

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Color

**XYZ(8.1837, 12.6961,
7.6495)**

Conversions

Conversions Part 1

Format	Color
Hex	327045
RGB	50, 112, 69
RGB Percent	20%, 44%, 27%
CMY	0.8039, 0.5608, 0.7294
CMYK	0.55, 0.00, 0.38, 0.56
HSL	138°, 38%, 32%
HSV	138°, 55%, 44%
XYZ	8.1837, 12.6961, 7.6495
YIQ	88.5600, -23.1490, -26.5170

Conversions

Conversions Part 2

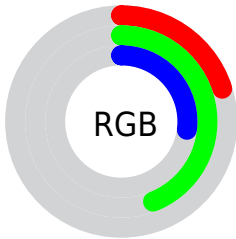
Format	Color
RYB	50, 97, 112
Decimal	3305541
CIELab	42.30, -30.51, 17.99
CIELCh	42, 35.424, 149.471
Yxy	12.6961, 0.2869, 0.4450
Android (android.graphics.Color)	4281495621 (0xFF327045)
YUV	88.5600, -9.6431, -33.8171
Hunter-Lab	35.6316, -21.3582, 12.2135

Details

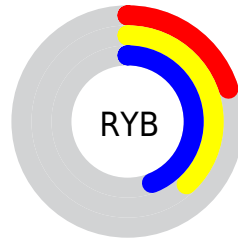
The XYZ color **8.1837, 12.6961, 7.6495** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **9.7988, 6.5164, 11.0975**, and the grayscale version is **9.4229, 9.9136, 10.7959**.

A 20% lighter version of the original color is **21.9123, 30.6256, 21.8960**, and **1.9530, 3.6252, 1.5165** is the 20% darker color. If you saturate the color by 10%, you get **7.4722, 12.3557, 6.4390**, and if you desaturate by 10%, it is **9.0626, 13.1199, 9.0332**.

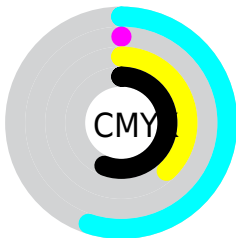
Distribution



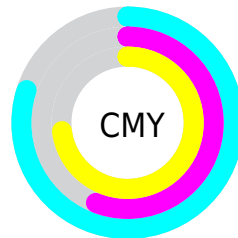
- Red (20%)
- Green (44%)
- Blue (27%)



- Red (20%)
- Yellow (38%)
- Blue (44%)



- Cyan (55%)
- Magenta (0%)
- Yellow (38%)
- Black (56%)





- Cyan (80%)
- Magenta (56%)
- Yellow (73%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 8.1837, 12.6961, 7.6495 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 8.1837, 12.6961, 7.6495 by changing the saturation by 10% instead.

 8.1837, 12.6961,
7.6495


 8.1837, 12.6961,
7.6495


171.5052,
208.9607, 182.7872

 4.2655, 7.2196,
3.7870


 21.9998, 30.7567,
21.8031


 1.8534, 3.5998,
1.5092

 32.6284, 44.1097,
32.9313


 0.5495, 1.4523,
0.2248

 46.2245, 60.8569,
47.3184

 0.0000, 0.2548,
0.0000

 63.1535, 81.3827,
65.3830

 0.0000, 0.0000,
0.0000

 83.7807, 106.0716,
87.5436

 108.4714,

135.3080, 114.2188

137.5912,
169.4763, 145.8272

■ 8.1837, 12.6961,
7.6495

■ 8.1837, 12.6961,
7.6495

■ 7.4722, 12.3557,
6.4390

■ 9.0626, 13.1199,
9.0332

■ 6.9158, 12.0914,
5.3940

■ 10.1182, 13.6305,
10.5958

■ 6.5022, 11.8974,
4.5074

■ 11.3600, 14.2333,
12.3438

■ 6.2082, 11.7619,
3.7709

■ 12.7968, 14.9326,
14.2828

■ 6.0878, 11.7062,
3.4767

■ 14.4367, 15.7324,
16.4186

■ 16.2872, 16.6365,
18.7565

■ 18.3558, 17.6487,
21.3016

■ 20.6491, 18.7723,
24.0589

■ 23.1739, 20.0107,
27.0332

Harmonies

Analogous

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



9.7267, 12.6961, 4.6045



8.1837, 12.6961, 7.6495



7.6498, 12.6961, 13.6893

Triad

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



8.1837, 12.6961, 7.6495



12.0202, 12.6961, 34.1933



17.0776, 12.6961, 7.8082

Complementary

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



8.1837, 12.6961, 7.6495



9.7988, 6.5164, 11.0975

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.



17.9233, 12.6961, 13.9594



8.1837, 12.6961, 7.6495



14.7560, 12.6961, 30.8509

Square

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



8.1837, 12.6961, 7.6495



9.6562, 12.6961, 30.6209



17.0183, 12.6961, 22.6564



14.8496, 12.6961, 4.6697

Rectangle

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



8.1837, 12.6961, 7.6495



7.8671, 12.6961, 19.2901



17.0183, 12.6961, 22.6564



17.5463, 12.6961, 9.5022

Sweetspot

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



8.1840, 12.6966, 7.6498



21.9242, 25.9611, 24.3511



10.9251, 14.1673, 5.1764



5.1753, 6.1923, 5.7272



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.



8.1840, 12.6966, 7.6498



12.8706, 21.5832, 10.8501



9.3908, 13.1793, 14.0047



3.3833, 3.7785, 3.8246



7.0281, 13.5288, 3.9690



34.6656, 67.2549, 17.9561

Inverse Universe

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



9.7988, 6.5164, 11.0975



16.0043, 9.5432, 17.5065



8.7035, 6.0783, 5.3298



3.4730, 3.4369, 4.0174



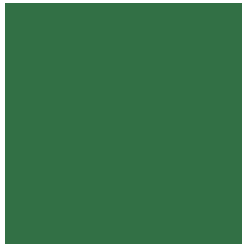
9.2909, 4.6088, 8.6079



45.8843, 22.7990, 40.7842

Previews

White Background



This preview shows how the XYZ color 8.1837, 12.6961, 7.6495 looks on a white background.

Color Contrast Check

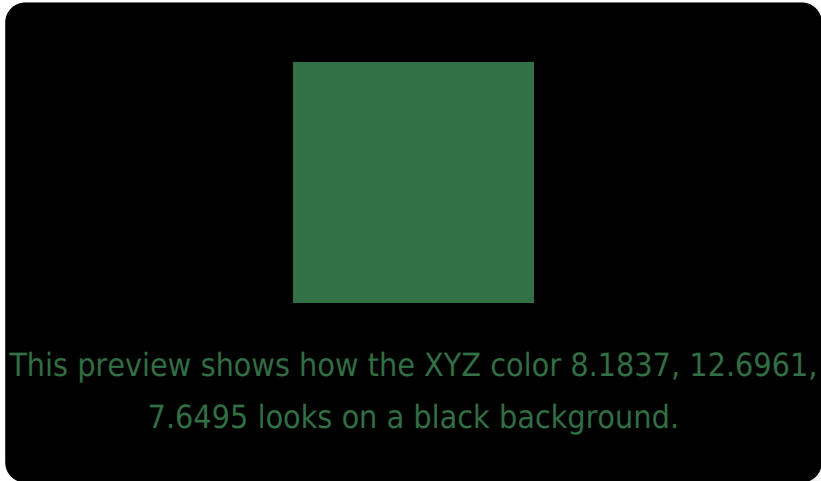
Large Text (above 18pt) WCAG AA ✓ Pass

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 8.1837, 12.6961, 7.6495

Background



This preview shows how black text looks on a background with the XYZ color 8.1837, 12.6961, 7.6495.



This preview shows how white text looks on a background with the XYZ color 8.1837, 12.6961,

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

8.1837, 12.6961, 7.6495

Protanopia

11.5716, 12.4820, 6.6499

Deuteranopia

12.7660, 12.5170, 8.0465



Tritanopia

10.2352, 12.5700, 18.1065

Trichromacy



Original Color

8.1837, 12.6961, 7.6495

Protanomaly

9.8642, 12.3202, 7.0124

Deuteranomaly

10.3376, 12.1024, 7.9220

Tritanomaly

9.3121, 12.5065, 13.4785

Monochromacy



Original Color

8.1837, 12.6961, 7.6495

Achromatopsia

9.4954, 9.9899, 10.8790

Achromatomaly

8.6993, 10.6544, 9.5807

CSS Examples

Text

The CSS property to change the color of the text to XYZ 8.1837, 12.6961, 7.6495 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(50, 112, 69)` looks like.

```
.text, #text, p{  
    color:rgb(50, 112, 69)  
}
```

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(50, 112, 69) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(50, 112, 69) }
```

Border

The CSS property to change the border of an element to XYZ 8.1837, 12.6961, 7.6495 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(50, 112, 69) }
```


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

```
.border{ border-color:rgb(50, 112, 69) }
```

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

Here you see how a box with a 4 pixel rgb(50, 112, 69) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(50, 112, 69); -webkit-box-  
shadow:4px 4px 4px 4px rgb(50, 112, 69);  
box-shadow:4px 4px 4px 4px rgb(50, 112,  
69) }
```

Background

The CSS property to change the background color of an element to XYZ 8.1837, 12.6961, 7.6495 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(50, 112, 69) }
```

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

```
.background{ background-color: rgb(50, 112,  
69) }
```

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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