

Converting Colors

XYZ(12.7600, 21.0423, 8.6992)

Have a look what the booklet for
XYZ(12.7600, 21.0423, 8.6992)
contains.

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Color

**XYZ(12.7600, 21.0423,
8.6992)**

Conversions

Conversions Part 1

Format	Color
Hex	3D8F43
RGB	61, 143, 67
RGB Percent	24%, 56%, 26%
CMY	0.7608, 0.4392, 0.7372
CMYK	0.57, 0.00, 0.53, 0.44
HSL	124°, 40%, 40%
HSV	124°, 57%, 56%
XYZ	12.7600, 21.0423, 8.6992
YIQ	109.8180, -24.4760, -41.0200

Conversions

Conversions Part 2

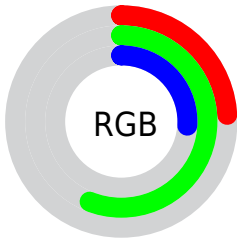
Format	Color
RYB	61, 137, 143
Decimal	4034371
CIELab	53.00, -41.38, 32.82
CIElCh	53, 52.811, 141.579
Yxy	21.0423, 0.3002, 0.4951
Android (android.graphics.Color)	4282224451 (0xFF3D8F43)
YUV	109.8180, -21.1093, -42.8134
Hunter-Lab	45.8719, -30.6232, 20.8665

Details

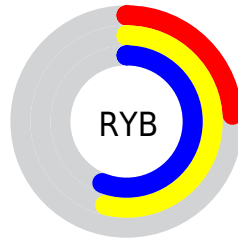
The XYZ color **12.7600, 21.0423, 8.6992** is a dark color, and the websafe version is hex **339933**. A complement of this color would be **17.5123, 10.9835, 24.8641**, and the grayscale version is **14.8328, 15.6053, 16.9941**.

A 20% lighter version of the original color is **30.6074, 45.3855, 23.9767**, and **3.9447, 7.7013, 1.8947** is the 20% darker color. If you saturate the color by 10%, you get **11.6413, 20.5070, 6.8038**, and if you desaturate by 10%, it is **14.2055, 21.7368, 11.0859**.

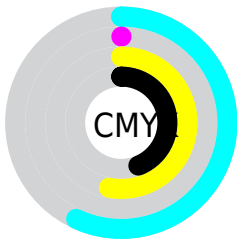
Distribution



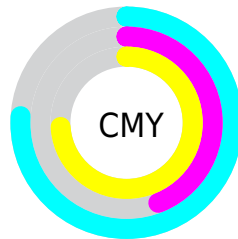
- Red (24%)
- Green (56%)
- Blue (26%)



- Red (24%)
- Yellow (54%)
- Blue (56%)



- Cyan (57%)
- Magenta (0%)
- Yellow (53%)
- Black (44%)



- Cyan (76%)
- Magenta (44%)
- Yellow (74%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.7600, 21.0423, 8.6992 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 12.7600, 21.0423, 8.6992 by changing the saturation by 10% instead.

■ 12.7600, 21.0423,
8.6992

■ 12.7600, 21.0423,
8.6992

203.0426,
257.5032, 191.2525

■ 7.3393, 13.1549,
4.4514

■ 30.4769, 45.1579,
23.8866

■ 3.7234, 7.5353,
1.8761

■ 43.5039, 62.1550,
35.6632

■ 1.5469, 3.7991,
0.4775

■ 59.7971, 82.9573,
50.7866

■ 0.3574, 1.5618,
0.0000

■ 79.7217, 107.9495,
69.6751

■ 0.0000, 0.3316,
0.0000

■ 103.6433,
137.5157, 92.7475

■ 0.0000, 0.0000,
0.0000

131.9270,

172.0405, 120.4221

164.9383,
211.9082, 153.1176

■ 12.7600, 21.0423,
8.6992

■ 12.7600, 21.0423,
8.6992

■ 11.6413, 20.5070,
6.8038

■ 14.2055, 21.7368,
11.0859

■ 10.8225, 20.1159,
5.3642

■ 15.9990, 22.5988,
13.9933

■ 10.2748, 19.8556,
4.3426

■ 18.1616, 23.6395,
17.4501

■ 9.9496, 19.7020,
3.6935

■ 20.7125, 24.8679,
21.4827

■ 9.8803, 19.6688,
3.5764

■ 23.6694, 26.2928,
26.1156

■ 27.0490, 27.9221,
31.3719

■ 30.8670, 29.7637,
37.2735

■ 35.1382, 31.8246,
43.8413

■ 39.8769, 34.1119,
51.0952

Harmonies

Analogous

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



16.3318, 21.0423, 4.6382



12.7600, 21.0423, 8.6992



11.2033, 21.0423, 18.7270

Triad

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



12.7600, 21.0423, 8.6992



18.4799, 21.0423, 68.2934



31.6342, 21.0423, 13.4215

Complementary

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



12.7600, 21.0423, 8.6992



17.5123, 10.9835, 24.8641

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.



32.4998, 21.0423, 27.6771



12.7600, 21.0423, 8.6992



24.1802, 21.0423, 64.6133

Square

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



12.7600, 21.0423, 8.6992



14.0827, 21.0423, 56.0975



29.5629, 21.0423, 47.5867



27.3788, 21.0423, 6.3557

Rectangle

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



12.7600, 21.0423, 8.6992



11.2727, 21.0423, 29.5982



29.5629, 21.0423, 47.5867



32.3591, 21.0423, 17.3163

Sweetspot

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



12.7605, 21.0432, 8.6997



37.0837, 44.5289, 38.4586



21.0698, 25.3465, 8.1967



8.3079, 10.1169, 8.5104



69.3244, 72.9347, 79.4259



10.7221, 11.2805, 12.2844

Same Dimension

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



12.7605, 21.0432, 8.6997



20.3348, 36.4784, 11.2965



14.4259, 21.7093, 17.4694



5.3579, 6.0354, 5.8506



8.7391, 17.3915, 3.1804



0.0861, 0.1673, 0.0438

Inverse Universe

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



17.5123, 10.9835, 24.8641



29.6952, 16.6188, 43.1061



15.1329, 10.0317, 12.3345



5.6095, 5.5043, 6.7074



13.7340, 6.6506, 20.0482



0.1346, 0.0649, 0.2090

Previews

White Background



This preview shows how the XYZ color 12.7600, 21.0423, 8.6992 looks on a white 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

Black Background



This preview shows how the XYZ color 12.7600, 21.0423, 8.6992 looks on a black 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

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

XYZ 12.7600, 21.0423, 8.6992

Background



This preview shows how black text looks on a background with the XYZ color 12.7600, 21.0423, 8.6992.



This preview shows how white text looks on a background with the XYZ color 12.7600, 21.0423,

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

12.7600, 21.0423, 8.6992

Protanopia

18.9506, 20.7476, 7.4208

Deuteranopia

21.0559, 20.6863, 9.1864



Tritanopia

17.0831, 21.0778, 29.9561

Trichromacy



Original Color

12.7600, 21.0423, 8.6992

Protanomaly

15.7040, 20.2409, 7.7818

Deuteranomaly

16.6022, 19.8863, 8.9247

Tritanomaly

15.0470, 20.8778, 20.0664

Monochromacy



Original Color

12.7600, 21.0423, 8.6992

Achromatopsia

14.8208, 15.5926, 16.9804

Achromatomaly

13.3935, 17.0025, 13.1656

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.7600, 21.0423, 8.6992 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(61, 143, 67)` looks like.

```
.text, #text, p{  
    color:rgb(61, 143, 67)  
}
```

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(61, 143, 67) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(61, 143, 67) }
```

Border

The CSS property to change the border of an element to XYZ 12.7600, 21.0423, 8.6992 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(61, 143, 67) }
```


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

```
.border{ border-color:rgb(61, 143, 67) }
```

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

Here you see how a box with a 4 pixel `rgb(61, 143, 67)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(61, 143, 67); -webkit-box-  
shadow:4px 4px 4px 4px rgb(61, 143, 67);  
box-shadow:4px 4px 4px 4px rgb(61, 143,  
67) }
```

Background

The CSS property to change the background color of an element to XYZ 12.7600, 21.0423, 8.6992 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(61, 143, 67) }
```

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

```
.background{ background-color: rgb(61, 143,  
67) }
```

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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