

Converting Colors

XYZ(13.2738, 20.9491, 7.6096)

Have a look what the booklet for
XYZ(13.2738, 20.9491, 7.6096)
contains.

XYZ(13.2421, 20.8719, 7.6057)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(13.2421, 20.8719,
7.6057)**

Conversions

Conversions Part 1

Format	Color
Hex	4B8D3C
RGB	75, 141, 60
RGB Percent	29%, 55%, 24%
CMY	0.7059, 0.4470, 0.7647
CMYK	0.47, 0.00, 0.57, 0.45
HSL	109°, 40%, 39%
HSV	109°, 57%, 55%
XYZ	13.2421, 20.8719, 7.6057
YIQ	112.0320, -13.3350, -39.1830

Conversions

Conversions Part 2

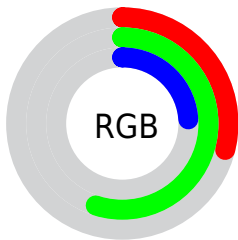
Format	Color
RYB	60, 141, 126
Decimal	4951356
CIELab	52.81, -37.39, 36.27
CIELCh	53, 52.088, 135.869
Yxy	20.8719, 0.3174, 0.5003
Android (android.graphics.Color)	4283141436 (0xFF4B8D3C)
YUV	112.0320, -25.6518, -32.4771
Hunter-Lab	45.6858, -28.2116, 22.1095

Details

The XYZ color **13.2421, 20.8719, 7.6057** is a dark color, and the websafe version is hex **669933**. A complement of this color would be **15.0290, 9.5912, 26.2597**, and the grayscale version is **15.4866, 16.2932, 17.7432**.

A 20% lighter version of the original color is **31.2317, 44.7452, 21.7425**, and **3.9366, 7.4512, 1.4892** is the 20% darker color. If you saturate the color by 10%, you get **12.0992, 20.3208, 5.8593**, and if you desaturate by 10%, it is **14.6478, 21.5482, 9.8839**.

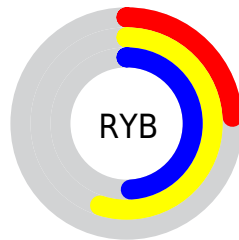
Distribution



Red (29%)

Green (55%)

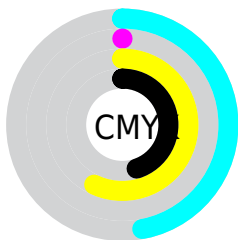
Blue (24%)



Red (24%)

Yellow (55%)

Blue (49%)

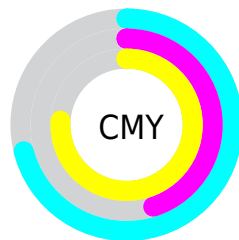


Cyan (47%)

Magenta (0%)

Yellow (57%)

Black (45%)



Cyan (71%)

Magenta (45%)

Yellow (76%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.2421, 20.8719, 7.6057 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 13.2421, 20.8719, 7.6057 by changing the saturation by 10% instead.

■ 13.2421, 20.8719,
7.6057

■ 13.2421, 20.8719,
7.6057

206.0699,
256.5969, 182.4233

■ 7.6736, 13.0304,
3.7596

■ 31.3357, 44.8742,
21.7150

■ 3.9369, 7.4495,
1.4944

■ 44.5915, 61.8039,
32.8153

■ 1.6665, 3.7448,
0.2137

■ 61.1404, 82.5317,
47.1707

■ 0.4351, 1.5318,
0.0000

■ 81.3479, 107.4420,
65.1997

■ 0.0000, 0.3110,
0.0000

■ 105.5792,
136.9193, 87.3210

■ 0.0000, 0.0000,
0.0000

■ 134.1997,

171.3480, 113.9529

167.5748,
211.1124, 145.5142

■ 13.2421, 20.8719,
7.6057

■ 13.2421, 20.8719,
7.6057

■ 12.0992, 20.3208,
5.8593

■ 14.6478, 21.5482,
9.8839

■ 11.2006, 19.8845,
4.6002

■ 16.3299, 22.3541,
12.7307

■ 10.5279, 19.5552,
3.7792

■ 18.3031, 23.2970,
16.1814

■ 10.0529, 19.3204,
3.3028

■ 20.5805, 24.3830,
20.2680

■ 9.9541, 19.2717,
3.1952

■ 23.1744, 25.6177,
25.0201

■ 26.0964, 27.0065,
30.4656

■ 29.3574, 28.5545,
36.6308

■ 32.9681, 30.2667,
43.5406

■ 36.9383, 32.1476,
51.2187

Harmonies

Analogous

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



17.1152, 20.8719, 4.3811



13.2421, 20.8719, 7.6057



11.3306, 20.8719, 16.1733

Triad

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



13.2421, 20.8719, 7.6057



17.3942, 20.8719, 65.8671



31.6857, 20.8719, 15.4842

Complementary

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



13.2421, 20.8719, 7.6057



15.0290, 9.5912, 26.2597

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.



31.7980, 20.8719, 30.8453



13.2421, 20.8719, 7.6057



22.8355, 20.8719, 65.3905

Square

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



13.2421, 20.8719, 7.6057



13.4141, 20.8719, 51.6926



28.3254, 20.8719, 50.5901



28.0421, 20.8719, 7.3004

Rectangle

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



13.2421, 20.8719, 7.6057



11.1515, 20.8719, 25.9263



28.3254, 20.8719, 50.5901



32.1575, 20.8719, 19.8004

Sweetspot

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



13.2426, 20.8728, 7.6062



36.8902, 43.6808, 36.3596



19.1094, 20.6067, 7.2456



8.0747, 9.6777, 7.8225



67.5393, 71.0566, 77.3807



10.1266, 10.6539, 11.6021

Same Dimension

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



13.2426, 20.8728, 7.6062



21.1336, 36.1313, 9.7201



13.0011, 20.6563, 11.7516



5.4303, 6.0744, 5.7756



9.0864, 17.5768, 2.9138



0.1008, 0.1752, 0.0285

Inverse Universe

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



15.0290, 9.5912, 26.2597



24.5950, 13.8504, 46.5050



15.7945, 10.1723, 17.8692



5.5297, 5.4613, 6.7914



10.8300, 5.0767, 23.3862



0.1199, 0.0570, 0.2244

Previews

White Background



This preview shows how the XYZ color 13.2421, 20.8719, 7.6057 looks on a white background.

Color Contrast Check

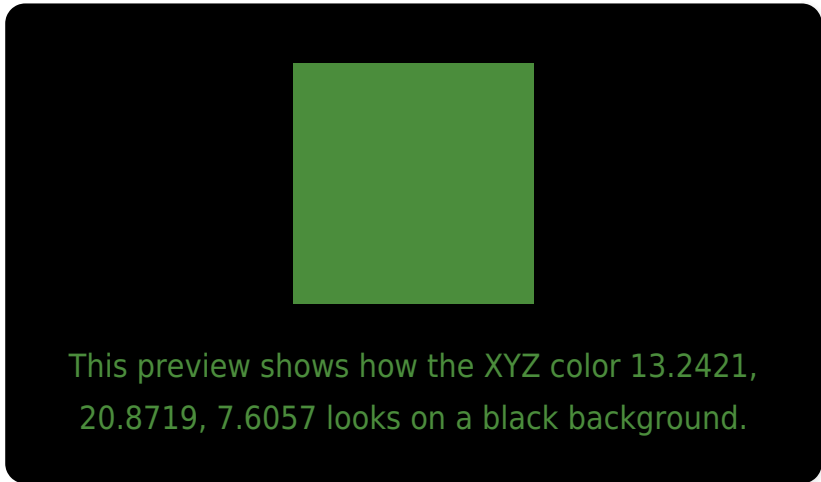
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



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 13.2421, 20.8719, 7.6057

Background



This preview shows how black text looks on a background with the XYZ color 13.2421, 20.8719, 7.6057.



This preview shows how white text looks on a background with the XYZ color 13.2421, 20.8719,

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

13.2421, 20.8719, 7.6057

Protanopia

18.7979, 20.6865, 6.6166

Deuteranopia

20.9066, 20.4570, 8.0010



Tritanopia

17.5236, 20.7098, 29.0604

Trichromacy



Original Color

13.2421, 20.8719, 7.6057

Protanomaly

16.0573, 20.2410, 6.9315

Deuteranomaly

16.9722, 19.9089, 7.7988

Tritanomaly

15.3909, 20.4515, 18.7591

Monochromacy



Original Color

13.2421, 20.8719, 7.6057

Achromatopsia

15.4009, 16.2029, 17.6450

Achromatomaly

14.2043, 17.6089, 13.0061

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.2421, 20.8719, 7.6057 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(75, 141, 60)` looks like.

```
.text, #text, p{  
    color:rgb(75, 141, 60)  
}
```

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(75, 141, 60) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(75, 141, 60) }
```

Border

The CSS property to change the border of an element to XYZ 13.2421, 20.8719, 7.6057 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(75, 141, 60) }
```


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

```
.border{ border-color:rgb(75, 141, 60) }
```

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

Here you see how a box with a 4 pixel `rgb(75, 141, 60)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(75, 141, 60); -webkit-box-  
shadow:4px 4px 4px 4px rgb(75, 141, 60);  
box-shadow:4px 4px 4px 4px rgb(75, 141,  
60) }
```

Background

The CSS property to change the background color of an element to XYZ 13.2421, 20.8719, 7.6057 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(75, 141, 60) }
```

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

```
.background{ background-color: rgb(75, 141,  
60) }
```

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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