

Converting Colors

XYZ(20.2359, 29.8446, 8.4482)

Have a look what the booklet for
XYZ(20.2359, 29.8446, 8.4482)
contains.

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Color

**XYZ(20.2414, 29.7949,
8.4255)**

Conversions

Conversions Part 1

Format	Color
Hex	6EA338
RGB	110, 163, 56
RGB Percent	43%, 64%, 22%
CMY	0.5686, 0.3608, 0.7804
CMYK	0.33, 0.00, 0.66, 0.36
HSL	90°, 49%, 43%
HSV	90°, 66%, 64%
XYZ	20.2414, 29.7949, 8.4255
YIQ	134.9550, 2.7590, -44.5130

Conversions

Conversions Part 2

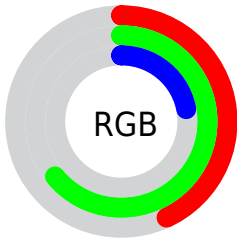
Format	Color
RYB	56, 163, 109
Decimal	7250744
CIELab	61.48, -35.37, 48.35
CIELCh	61, 59.907, 126.181
Yxy	29.7949, 0.3462, 0.5096
Android (android.graphics.Color)	4285440824 (0xFF6EA338)
YUV	134.9550, -38.9248, -21.8855
Hunter-Lab	54.5847, -29.3309, 29.0575

Details

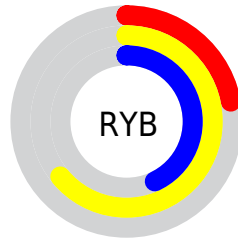
The XYZ color **20.2414, 29.7949, 8.4255** is a dark color, and the websafe version is hex **669933**. A complement of this color would be **14.3330, 8.7248, 35.5806**, and the grayscale version is **23.1523, 24.3580, 26.5259**.

A 20% lighter version of the original color is **43.2952, 59.2248, 23.3370**, and **7.3153, 12.2096, 1.9711** is the 20% darker color. If you saturate the color by 10%, you get **18.9468, 29.1673, 6.6123**, and if you desaturate by 10%, it is **21.7588, 30.5243, 10.9279**.

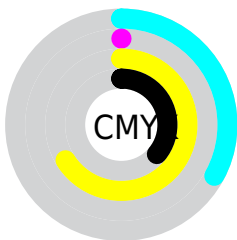
Distribution



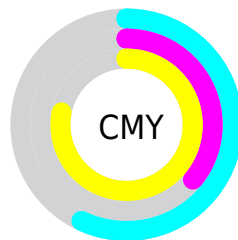
- Red (43%)
- Green (64%)
- Blue (22%)



- Red (22%)
- Yellow (64%)
- Blue (43%)



- Cyan (33%)
- Magenta (0%)
- Yellow (66%)
- Black (36%)




- Cyan (57%)
- Magenta (36%)
- Yellow (78%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 20.2414, 29.7949, 8.4255 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 20.2414, 29.7949, 8.4255 by changing the saturation by 10% instead.


 20.2414, 29.7949,
8.4255


 20.2414, 29.7949,
8.4255


246.0277,
300.9473, 189.0898


 12.6799, 19.6830,
4.2767


 43.3224, 59.3377,
23.3483


 7.2840, 12.1648,
1.7784


 59.5726, 79.5373,
34.9593


 3.6882, 6.8560,
0.4136


 79.4498, 103.8683,
49.8950

 1.5273, 3.3722,
0.0000

 103.3193,
132.7150, 68.5736

 0.3443, 1.3290,
0.0000

 131.5465,
166.4619, 91.4139

 0.0000, 0.1635,
0.0000

 164.4968,

 0.0000, 0.0000,

205.4933, 118.8344

0.0000

202.5354,
250.1936, 151.2535

■ 20.2414, 29.7949,
8.4255

■ 20.2414, 29.7949,
8.4255

■ 18.9468, 29.1673,
6.6123

■ 21.7588, 30.5243,
10.9279

■ 17.8574, 28.6309,
5.4171

■ 23.5106, 31.3572,
14.1776

■ 16.9539, 28.1791,
4.7495

■ 25.5099, 32.3003,
18.2289

■ 16.6000, 28.0011,
4.5298

■ 27.7681, 33.3583,
23.1303

■ 30.2958, 34.5358,
28.9265

■ 33.1030, 35.8368,
35.6593

■ 36.1990, 37.2654,
43.3677

■ 39.5927, 38.8254,
52.0883

■ 43.2925, 40.5204,
61.8560

Harmonies

Analogous

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



26.7098, 29.7949, 5.5202



20.2414, 29.7949, 8.4255



16.5398, 29.7949, 17.8144

Triad

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



20.2414, 29.7949, 8.4255



22.5995, 29.7949, 90.9931



46.3337, 29.7949, 27.9655

Complementary

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



20.2414, 29.7949, 8.4255



14.3330, 8.7248, 35.5806

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.



44.6745, 29.7949, 53.4537



20.2414, 29.7949, 8.4255



29.9919, 29.7949, 98.0577

Square

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



20.2414, 29.7949, 8.4255



17.7130, 29.7949, 65.6316



38.3024, 29.7949, 81.9631



42.4876, 29.7949, 12.8948

Rectangle

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



20.2414, 29.7949, 8.4255



15.6721, 29.7949, 29.6203



38.3024, 29.7949, 81.9631



46.4098, 29.7949, 35.4365

Sweetspot

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



20.2421, 29.7962, 8.4261



52.0534, 60.8239, 46.6905



21.1520, 18.7386, 6.2439



11.4221, 13.5354, 9.8733



78.6606, 82.7571, 90.1225



14.0027, 14.7319, 16.0430

Same Dimension

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



20.2421, 29.7962, 8.4261



32.9457, 51.7508, 10.6796



15.5442, 27.3744, 8.2063



7.3102, 8.0624, 7.5510



12.9532, 21.7881, 3.5228



0.3266, 0.4859, 0.0766

Inverse Universe

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



14.3330, 8.7248, 35.5806



21.5500, 11.1036, 63.0635



22.7679, 13.0731, 35.9754



7.0190, 7.0241, 8.8889



7.8104, 3.4329, 27.1807



0.2186, 0.1002, 0.5737

Previews

White Background



This preview shows how the XYZ color 20.2414, 29.7949, 8.4255 looks on a white background.

Color Contrast Check

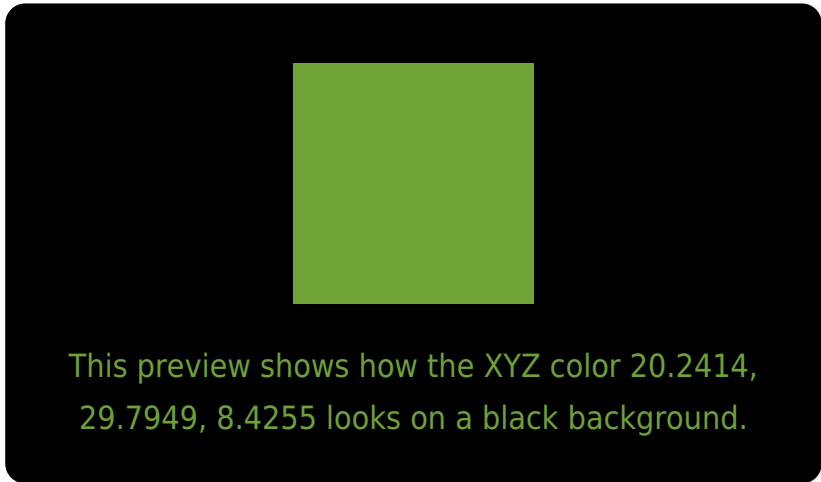
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.2414, 29.7949, 8.4255

Background



This preview shows how black text looks on a background with the XYZ color 20.2414, 29.7949, 8.4255.



This preview shows how white text looks on a background with the XYZ color 20.2414, 29.7949,

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

20.2414, 29.7949, 8.4255

Protanopia

26.7268, 29.4271, 7.5202

Deuteranopia

29.9505, 29.4759, 8.8135



Tritanopia

26.4772, 29.5331, 39.9023

Trichromacy



Original Color

20.2414, 29.7949, 8.4255

Protanomaly

23.7109, 29.0592, 7.7275

Deuteranomaly

25.2734, 28.8891, 8.5191

Tritanomaly

23.3359, 29.2507, 23.8181

Monochromacy



Original Color

20.2414, 29.7949, 8.4255

Achromatopsia

23.0288, 24.2281, 26.3844

Achromatomaly

21.3311, 25.7270, 17.4772

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.2414, 29.7949, 8.4255 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(110, 163, 56)` looks like.

```
.text, #text, p{  
    color:rgb(110, 163, 56)  
}
```

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(110, 163, 56) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(110, 163, 56) }
```

Border

The CSS property to change the border of an element to XYZ 20.2414, 29.7949, 8.4255 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(110, 163, 56) }
```


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

```
.border{ border-color:rgb(110, 163, 56) }
```

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

Here you see how a box with a 4 pixel `rgb(110, 163, 56)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(110, 163, 56); -webkit-box-  
shadow:4px 4px 4px 4px rgb(110, 163, 56);  
box-shadow:4px 4px 4px 4px rgb(110, 163,  
56) }
```

Background

The CSS property to change the background color of an element to XYZ 20.2414, 29.7949, 8.4255 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(110, 163, 56) }
```

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

```
.background{ background-color: rgb(110,  
163, 56) }
```

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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