

Converting Colors

XYZ(32.6216, 63.8521, 15.1628)

Have a look what the booklet for
XYZ(32.6216, 63.8521, 15.1628)
contains.

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Color

**XYZ(32.6216, 63.8521,
15.1628)**

Conversions

Conversions Part 1

Format	Color
Hex	00F23E
RGB	0, 242, 62
RGB Percent	0%, 95%, 24%
CMY	1.0000, 0.0510, 0.7568
CMYK	1.00, 0.00, 0.74, 0.05
HSL	135°, 100%, 47%
HSV	135°, 100%, 95%
XYZ	32.6216, 63.8521, 15.1628
YIQ	149.1220, -86.4520, -107.2840

Conversions

Conversions Part 2

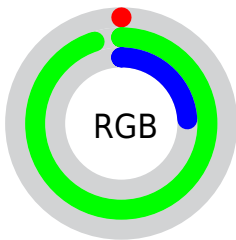
Format	Color
RYB	0, 193, 242
Decimal	62014
CIELab	83.89, -80.48, 68.56
CIELCh	84, 105.722, 139.575
Yxy	63.8521, 0.2922, 0.5720
Android (android.graphics.Color)	4278252094 (0xFF00F23E)
YUV	149.1220, -42.9511, -130.7800
Hunter-Lab	79.9075, -66.9669, 44.6847

Details

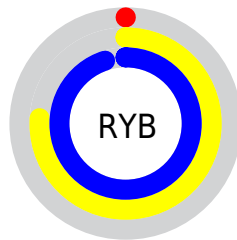
The XYZ color **32.6216, 63.8521, 15.1628** is a dark color, and the websafe version is hex **33FF33**. The color can be described as dark saturated green. A complement of this color would be **44.8574, 22.1732, 45.0941**, and the grayscale version is **28.8211, 30.3220, 33.0207**.

A 20% lighter version of the original color is **46.2204, 76.5209, 30.1032**, and **17.1405, 34.2810, 5.7135** is the 20% darker color. If you saturate the color by 10%, you get **32.6231, 63.8547, 15.1642**, and if you desaturate by 10%, it is **33.5831, 64.2828, 18.2286**.

Distribution



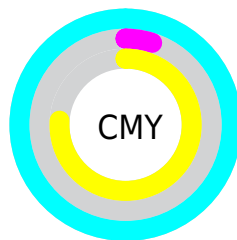
- Red (0%)
- Green (95%)
- Blue (24%)



- Red (0%)
- Yellow (76%)
- Blue (95%)



- Cyan (100%)
- Magenta (0%)
- Yellow (74%)
- Black (5%)





- Cyan (100%)
- Magenta (5%)
- Yellow (76%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 32.6216, 63.8521, 15.1628 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 32.6216, 63.8521, 15.1628 by changing the saturation by 10% instead.


 32.6216, 63.8521,
15.1628


 32.6216, 63.8521,
15.1628


305.6364,
438.6554, 236.0241

 21.9946, 46.5309,
8.7858


 63.1429, 110.3979,
35.8849


 13.9695, 32.6650,
4.5069


 83.7680, 140.3913,
51.0670


 8.1810, 21.8699,
1.9073


 108.4564,
175.3775, 70.0214

 4.2638, 13.7613,
0.4974

 137.5735,
215.7410, 93.1664

 1.8524, 7.9549,
0.0000

 171.4847,
261.8662, 120.9206

 0.5489, 4.0661,
0.0000

210.5554,

 0.0000, 1.7106,

314.1373, 153.7026

0.0000

255.1508,
372.9389, 191.9310

■ 0.0000, 0.4305,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 32.6216, 63.8521,
15.1628

■ 32.6216, 63.8521,
15.1628

■ 32.6231, 63.8547,
15.1642

■ 33.5831, 64.2828,
18.2286

■ 35.1963, 65.0270,
22.2533

■ 37.6237, 66.1689,
27.3138

■ 40.9656, 67.7588,
33.4761

■ 45.3069, 69.8392,
40.8006

■ 50.7224, 72.4475,
49.3434

■ 57.2799, 75.6176,
59.1566

■ 65.0411, 79.3803,
70.2896

■ 74.0635, 83.7642,
82.7889

Harmonies

Analogous

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



46.9095, 63.8521, 5.2103



32.6216, 63.8521, 15.1628



26.4843, 63.8521, 48.8341

Triad

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



32.6216, 63.8521, 15.1628



52.9540, 63.8521, 286.7713



113.3093, 63.8521, 34.8447

Complementary

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



32.6216, 63.8521, 15.1628



44.8574, 22.1732, 45.0941

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.



116.1312, 63.8521, 95.3611



32.6216, 63.8521, 15.1628



76.9341, 63.8521, 273.3886

Square

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



32.6216, 63.8521, 15.1628



36.0703, 63.8521, 219.6359



101.4807, 63.8521, 189.9850



94.5407, 63.8521, 10.5088

Rectangle

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



32.6216, 63.8521, 15.1628



26.4181, 63.8521, 93.0700



101.4807, 63.8521, 189.9850



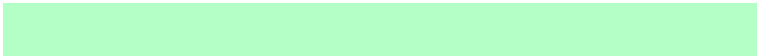
116.3088, 63.8521, 50.3275

Sweetspot

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



32.6231, 63.8547, 15.1642



64.4398, 85.1261, 66.5219



50.9277, 73.3916, 11.4818



13.0909, 17.8809, 13.2013



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



32.6231, 63.8547, 15.1642



36.7239, 71.9056, 16.9960



40.1457, 66.8638, 54.7774



15.7321, 17.7229, 17.6121



17.5715, 34.3206, 8.3923



1.5009, 2.8708, 0.9039

Inverse Universe

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



44.8574, 22.1732, 45.0941



50.4975, 24.9630, 50.6791



37.4484, 19.2096, 6.0788



16.2712, 15.9582, 18.9843



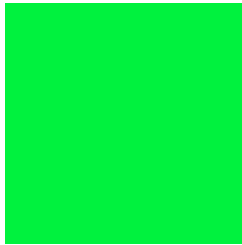
24.1551, 11.9345, 24.5313



2.0495, 1.0088, 2.2516

Previews

White Background



This preview shows how the XYZ color 32.6216, 63.8521, 15.1628 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

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 32.6216, 63.8521, 15.1628 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

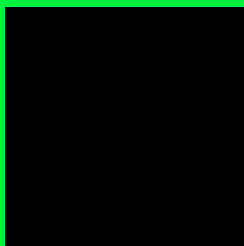
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 32.6216, 63.8521, 15.1628

Background



This preview shows how black text looks on a background with the XYZ color 32.6216, 63.8521, 15.1628.

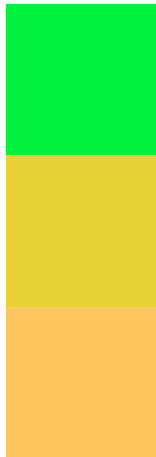


This preview shows how white text looks on a background with the XYZ color 32.6216, 63.8521,

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

32.6216, 63.8521, 15.1628

Protanopia

56.8028, 62.6924, 12.4752

Deuteranopia

63.4996, 62.4744, 19.5384



Tritanopia

48.7810, 63.6337, 95.2995

Trichromacy



Original Color

32.6216, 63.8521, 15.1628



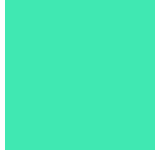
Protanomaly

38.5198, 57.7678, 12.8615



Deuteranomaly

40.5082, 56.3991, 16.9347



Tritanomaly

39.0068, 62.0176, 52.0342

Monochromacy



Original Color

32.6216, 63.8521, 15.1628



Achromatopsia

28.5667, 30.0544, 32.7292



Achromatomaly

24.8637, 37.5842, 22.7736

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.6216, 63.8521, 15.1628 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(0, 242, 62)` looks like.

```
.text, #text, p{  
    color:rgb(0, 242, 62)  
}
```

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(0, 242, 62) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 242, 62) }
```

Border

The CSS property to change the border of an element to XYZ 32.6216, 63.8521, 15.1628 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(0, 242, 62) }
```


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

```
.border{ border-color:rgb(0, 242, 62) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 242, 62)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 242, 62); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 242, 62);  
box-shadow:4px 4px 4px 4px rgb(0, 242, 62)  
}
```

Background

The CSS property to change the background color of an element to XYZ 32.6216, 63.8521, 15.1628 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 242, 62) }
```

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

```
.background{ background-color: rgb(0, 242,  
62) }
```

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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