

Converting Colors

XYZ(32.3866, 61.4789, 20.9516)

Have a look what the booklet for
XYZ(32.3866, 61.4789, 20.9516)
contains.

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Color

**XYZ(32.3497, 61.3946,
20.9718)**

Conversions

Conversions Part 1

Format	Color
Hex	00ED5F
RGB	0, 237, 95
RGB Percent	0%, 93%, 37%
CMY	1.0000, 0.0706, 0.6274
CMYK	1.00, 0.00, 0.60, 0.07
HSL	144°, 100%, 46%
HSV	144°, 100%, 93%
XYZ	32.3497, 61.3946, 20.9718
YIQ	149.9490, -95.6700, -94.4060

Conversions

Conversions Part 2

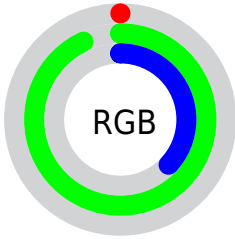
Format	Color
RYB	0, 169, 237
Decimal	60767
CIELab	82.59, -75.86, 54.48
CIELCh	83, 93.398, 144.315
Yxy	61.3946, 0.2820, 0.5352
Android (android.graphics.Color)	4278250847 (0xFF00ED5F)
YUV	149.9490, -27.0899, -131.5053
Hunter-Lab	78.3547, -63.4248, 38.9792

Details

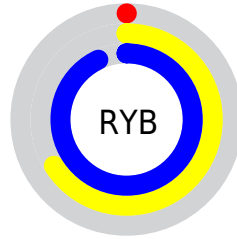
The XYZ color **32.3497, 61.3946, 20.9718** is a dark color, and the websafe version is hex **33FF66**. The color can be described as dark washed green. A complement of this color would be **39.8093, 19.9584, 27.3469**, and the grayscale version is **29.1097, 30.6257, 33.3513**.

A 20% lighter version of the original color is **47.8669, 77.1347, 40.7994**, and **16.5031, 32.3934, 7.3902** is the 20% darker color. If you saturate the color by 10%, you get **32.3510, 61.3970, 20.9726**, and if you desaturate by 10%, it is **33.4264, 61.8699, 24.7061**.

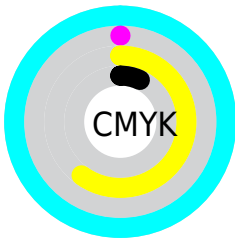
Distribution



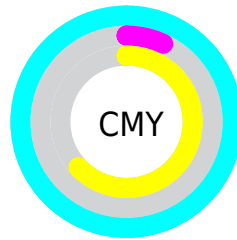
- Red (0%)
- Green (93%)
- Blue (37%)



- Red (0%)
- Yellow (66%)
- Blue (93%)



- Cyan (100%)
- Magenta (0%)
- Yellow (60%)
- Black (7%)





- Cyan (100%)
- Magenta (7%)
- Yellow (63%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 32.3497, 61.3946, 20.9718 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 32.3497, 61.3946, 20.9718 by changing the saturation by 10% instead.


 32.3497, 61.3946,
20.9718


 32.3497, 61.3946,
20.9718


304.4262,
429.7194, 269.9047

 21.7856, 44.5437,
12.9123


 62.7204, 106.8501,
45.9208


 13.8152, 31.0982,
7.2382


 83.2577, 136.2234,
63.6474

 8.0731, 20.6736,
3.5308


 107.8501,
170.5398, 85.4335

 4.1939, 12.8856,
1.3717

 136.8630,
210.1834, 111.6975

 1.8124, 7.3498,
0.1195

 170.6617,
255.5388, 142.8582

 0.5251, 3.6818,
0.0000

209.6116,

 0.0000, 1.4972,

306.9903, 179.3339

0.0000

254.0780,
364.9224, 221.5432

■ 0.0000, 0.2868,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 32.3497, 61.3946,
20.9718

■ 32.3497, 61.3946,
20.9718


■ 32.3510, 61.3970,
20.9726


■ 33.4264, 61.8699,
24.7061


■ 35.0770, 62.6250,
29.1110


■ 37.4505, 63.7379,
34.2238


■ 40.6361, 65.2539,
40.0756

 44.7089, 67.2112,
46.6956

 49.7354, 69.6435,
54.1111

 55.7750, 72.5810,
62.3481

 62.8825, 76.0514,
71.4313

 71.1085, 80.0802,
81.3844

Harmonies

Analogous

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



43.9020, 61.3946, 8.3203



32.3497, 61.3946, 20.9718



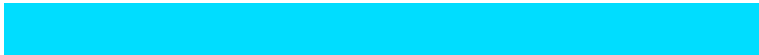
27.8306, 61.3946, 56.5160

Triad

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



32.3497, 61.3946, 20.9718



54.6247, 61.3946, 247.3713



100.9072, 61.3946, 30.9681

Complementary

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



32.3497, 61.3946, 20.9718



39.8093, 19.9584, 27.3469

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.



105.6230, 61.3946, 78.3688



32.3497, 61.3946, 20.9718



75.6727, 61.3946, 225.9349

Square

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



32.3497, 61.3946, 20.9718



38.6645, 61.3946, 202.2322



95.5151, 61.3946, 153.9279



83.7978, 61.3946, 11.3489

Rectangle

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



32.3497, 61.3946, 20.9718



28.4488, 61.3946, 97.9614



95.5151, 61.3946, 153.9279



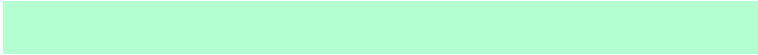
104.1369, 61.3946, 43.1375

Sweetspot

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



32.3512, 61.3971, 20.9732



65.7641, 85.6558, 73.4956



41.4758, 66.3396, 10.6189



13.3993, 18.0043, 14.8252



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.



32.3512, 61.3971, 20.9732



38.1690, 72.4836, 24.6054



42.3343, 65.3904, 73.5437



15.1185, 16.9622, 17.3068



17.7225, 33.5435, 11.7698



1.4380, 2.6525, 1.1685

Inverse Universe

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



39.8093, 19.9584, 27.3469



46.9720, 23.5528, 32.1143



35.0883, 18.0700, 2.4866



15.4444, 15.2056, 17.6254



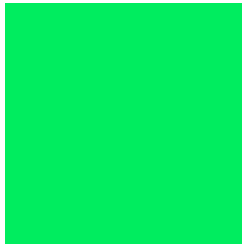
21.8000, 10.9227, 15.2802



1.7591, 0.8766, 1.4490

Previews

White Background



This preview shows how the XYZ color 32.3497, 61.3946, 20.9718 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 32.3497, 61.3946, 20.9718 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

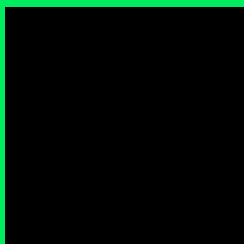
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 32.3497, 61.3946, 20.9718

Background



This preview shows how black text looks on a background with the XYZ color 32.3497, 61.3946, 20.9718.

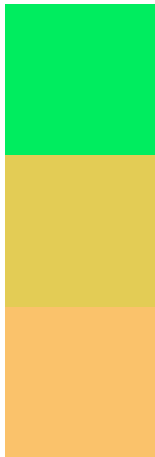


This preview shows how white text looks on a background with the XYZ color 32.3497, 61.3946,

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

32.3497, 61.3946, 20.9718

Protanopia

54.9111, 60.1725, 17.3147

Deuteranopia

61.3700, 59.9691, 22.2506



Tritanopia

46.4655, 60.9135, 91.7466

Trichromacy



Original Color

32.3497, 61.3946, 20.9718



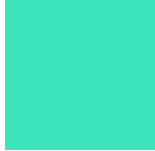
Protanomaly

37.8606, 55.7623, 18.2189



Deuteranomaly

39.7929, 54.4434, 21.2433



Tritanomaly

38.3022, 59.4867, 56.4771

Monochromacy



Original Color

32.3497, 61.3946, 20.9718



Achromatopsia

28.9890, 30.4987, 33.2131



Achromatomaly

25.4765, 37.5005, 27.0147

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.3497, 61.3946, 20.9718 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, 237, 95)` looks like.

```
.text, #text, p{  
    color:rgb(0, 237, 95)  
}
```

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, 237, 95) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 237, 95) }
```

Border

The CSS property to change the border of an element to XYZ 32.3497, 61.3946, 20.9718 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, 237, 95) }
```


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

```
.border{ border-color:rgb(0, 237, 95) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 237, 95)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 237, 95); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 237, 95);  
box-shadow:4px 4px 4px 4px rgb(0, 237, 95)  
}
```

Background

The CSS property to change the background color of an element to XYZ 32.3497, 61.3946, 20.9718 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 237, 95) }
```

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

```
.background{ background-color: rgb(0, 237,  
95) }
```

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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