

Converting Colors

XYZ(36.2353, 66.4561, 20.9409)

Have a look what the booklet for
XYZ(36.2353, 66.4561, 20.9409)
contains.

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Color

**XYZ(36.2691, 66.4982,
21.0491)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | 3EF45C |
| RGB | 62, 244, 92 |
| RGB Percent | 24%, 96%, 36% |
| CMY | 0.7569, 0.0431, 0.6392 |
| CMYK | 0.75, 0.00, 0.62, 0.04 |
| HSL | 130°, 89%, 60% |
| HSV | 130°, 75%, 96% |
| XYZ | 36.2691, 66.4982, 21.0491 |
| YIQ | 172.2540, -59.6800, -85.8560 |

Conversions

Conversions Part 2

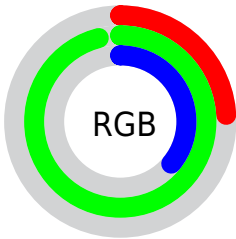
| Format | Color |
|-------------------------------------|---------------------------------|
| R _Y B | 62, 218, 244 |
| Decimal | 4125788 |
| CIE Lab | 85.25, -73.76, 58.93 |
| CIE LCh | 85, 94.407, 141.379 |
| Yxy | 66.4982, 0.2929, 0.5371 |
| Android (android.graphics.Color) | 4282315868 (0xFF3EF45C) |
| YUV | 172.2540, -39.5652, -96.6928 |
| Hunter-Lab | 81.5464, -63.3155, 41.7783 |

Details

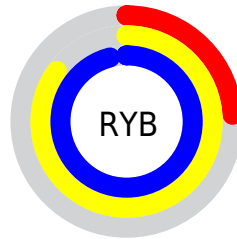
The XYZ color **36.2691, 66.4982, 21.0491** is a dark color, and the websafe version is hex **33FF66**. The color can be described as dark washed green. A complement of this color would be **51.1703, 27.5345, 66.2373**, and the grayscale version is **39.5590, 41.6191, 45.3232**.

A 20% lighter version of the original color is **51.0181, 78.7775, 40.1204**, and **17.8476, 35.2333, 7.3734** is the 20% darker color. If you saturate the color by 10%, you get **34.2943, 65.5715, 16.9163**, and if you desaturate by 10%, it is **39.1729, 67.8800, 26.4787**.

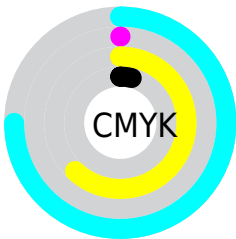
Distribution



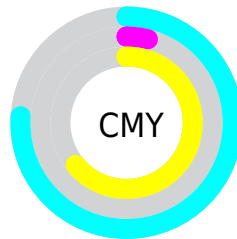
- Red (24%)
- Green (96%)
- Blue (36%)



- Red (24%)
- Yellow (85%)
- Blue (96%)



- Cyan (75%)
- Magenta (0%)
- Yellow (62%)
- Black (4%)



- Cyan (76%)
- Magenta (4%)
- Yellow (64%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 36.2691, 66.4982, 21.0491 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 36.2691, 66.4982, 21.0491 by changing the saturation by 10% instead.

36.2691, 66.4982,
21.0491

36.2691, 66.4982,
21.0491

321.5460,
448.1565, 270.3289

24.8132, 48.6769,
12.9683

68.7684, 114.2011,
46.0511

16.0659, 34.3633,
7.2763

90.5424, 144.8515,
63.8094

9.6619, 23.1728,
3.5544

116.4866,
180.5471, 85.6305

5.2359, 14.7212,
1.3842

146.9661,
221.6723, 111.9332

2.4225, 8.6239,
0.1294

182.3465,
268.6114, 143.1358

0.8564, 4.4967,
0.0000

222.9930,

0.0000, 1.9551,

321.7489, 179.6569

0.0000

269.2711,
381.4691, 221.9151

■ 0.0000, 0.5812,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 36.2691, 66.4982,
21.0491

■ 36.2691, 66.4982,
21.0491

■ 34.2943, 65.5715,
16.9163

■ 39.1729, 67.8800,
26.4787

■ 33.1240, 65.0323,
13.9674

■ 43.0999, 69.7576,
33.2968

■ 32.7388, 64.8587,
12.8209

■ 48.1377, 72.1763,
41.5915

■ 54.3631, 75.1740,
51.4428

■ 61.8460, 78.7852,
62.9247

■ 70.6509, 83.0416,
76.1064

■ 80.8378, 87.9729,
91.0533

■ 91.6420, 93.1840,
107.7640

Harmonies

Analogous

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



49.4003, 66.4982, 8.8573



36.2691, 66.4982, 21.0491



30.7059, 66.4982, 56.1858

Triad

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



36.2691, 66.4982, 21.0491



57.2535, 66.4982, 261.7169



109.6096, 66.4982, 37.4702

Complementary

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



36.2691, 66.4982, 21.0491



51.1703, 27.5345, 66.2373

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.



113.0502, 66.4982, 91.4794



36.2691, 66.4982, 21.0491



79.3670, 66.4982, 246.1248

Square

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



36.2691, 66.4982, 21.0491



40.9042, 66.4982, 208.4242



100.9723, 66.4982, 173.2599



92.4183, 66.4982, 13.9436

Rectangle

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



36.2691, 66.4982, 21.0491



30.9183, 66.4982, 98.1431



100.9723, 66.4982, 173.2599



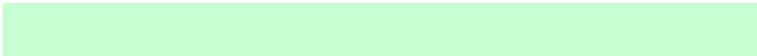
112.5457, 66.4982, 51.6133

Sweetspot

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



36.2707, 66.5009, 21.0506



70.6900, 88.2098, 73.0704



61.7489, 79.7582, 16.6981



14.5975, 18.6230, 14.8348



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.



36.2707, 66.5009, 21.0506



37.0799, 72.0957, 16.7130



42.6079, 69.0358, 54.4219



16.3936, 18.5166, 18.0912



17.8337, 35.2783, 7.1442



1.5990, 3.1133, 0.7943

Inverse Universe

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



51.1703, 27.5345, 66.2373



54.1446, 26.9953, 68.1169



42.7792, 24.1781, 22.0504



17.0894, 16.7186, 20.2175



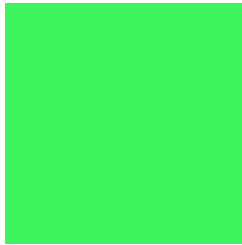
26.2416, 12.8401, 32.3102



2.3369, 1.1407, 3.0007

Previews

White Background



This preview shows how the XYZ color 36.2691, 66.4982, 21.0491 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 36.2691, 66.4982, 21.0491 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

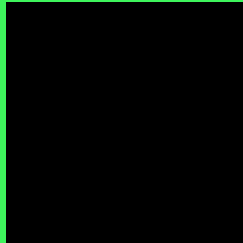
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

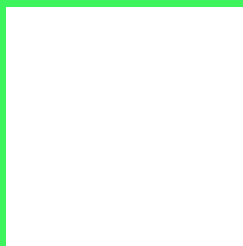
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 36.2691, 66.4982, 21.0491

Background



This preview shows how black text looks on a background with the XYZ color 36.2691, 66.4982, 21.0491.

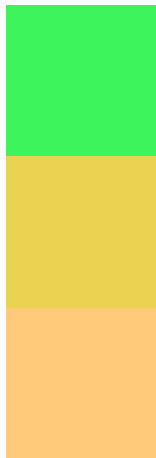


This preview shows how white text looks on a background with the XYZ color 36.2691, 66.4982,

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

36.2691, 66.4982, 21.0491

Protanopia

59.0782, 64.8599, 17.3881

Deuteranopia

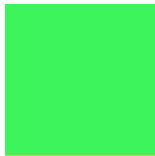
65.8117, 64.8815, 27.1439



Tritanopia

51.6179, 66.2647, 98.0655

Trichromacy



Original Color

36.2691, 66.4982, 21.0491



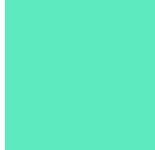
Protanomaly

45.0806, 62.2179, 18.4374



Deuteranomaly

47.6349, 61.0658, 24.0281



Tritanomaly

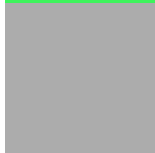
43.4429, 64.9869, 59.5443

Monochromacy



Original Color

36.2691, 66.4982, 21.0491



Achromatopsia

39.2122, 41.2543, 44.9259



Achromatomaly

34.6677, 47.2769, 33.2848

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.2691, 66.4982, 21.0491 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(62, 244, 92)` looks like.

```
.text, #text, p{  
    color:rgb(62, 244, 92)  
}
```

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(62, 244, 92) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(62, 244, 92) }
```

Border

The CSS property to change the border of an element to XYZ 36.2691, 66.4982, 21.0491 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(62, 244, 92) }
```


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

```
.border{ border-color:rgb(62, 244, 92) }
```

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

Here you see how a box with a 4 pixel `rgb(62, 244, 92)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(62, 244, 92); -webkit-box-  
shadow:4px 4px 4px 4px rgb(62, 244, 92);  
box-shadow:4px 4px 4px 4px rgb(62, 244,  
92) }
```

Background

The CSS property to change the background color of an element to XYZ 36.2691, 66.4982, 21.0491 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(62, 244, 92) }
```

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

```
.background{ background-color: rgb(62, 244,  
92) }
```

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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