

Converting Colors

XYZ(36.1064, 66.1640, 22.3542)

Have a look what the booklet for
XYZ(36.1064, 66.1640, 22.3542)
contains.

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Color

**XYZ(36.2426, 66.4531,
22.4718)**

Conversions

Conversions Part 1

Format	Color
Hex	39F462
RGB	57, 244, 98
RGB Percent	22%, 96%, 38%
CMY	0.7765, 0.0431, 0.6157
CMYK	0.77, 0.00, 0.60, 0.04
HSL	133°, 89%, 59%
HSV	133°, 77%, 96%
XYZ	36.2426, 66.4531, 22.4718
YIQ	171.4430, -64.5860, -85.0500

Conversions

Conversions Part 2

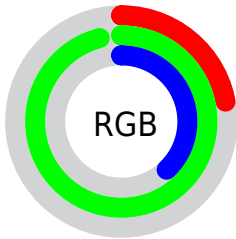
Format	Color
R_{YB}	57, 210, 244
Decimal	3798114
CIE _{Lab}	85.23, -73.75, 56.34
CIE _{LCh}	85, 92.805, 142.624
Yxy	66.4531, 0.2896, 0.5309
Android (android.graphics.Color)	4281988194 (0xFF39F462)
YUV	171.4430, -36.2074, -100.3665
Hunter-Lab	81.5188, -63.2982, 40.7190

Details

The XYZ color **36.2426, 66.4531, 22.4718** is a dark color, and the websafe version is hex **33FF66**. The color can be described as middle washed spring green. A complement of this color would be **49.5525, 26.4721, 58.9985**, and the grayscale version is **39.1330, 41.1709, 44.8351**.

A 20% lighter version of the original color is **51.0255, 78.7254, 42.6432**, and **17.9768, 35.2850, 8.0537** is the 20% darker color. If you saturate the color by 10%, you get **34.3761, 65.5847, 18.2356**, and if you desaturate by 10%, it is **38.9939, 67.7568, 27.8696**.

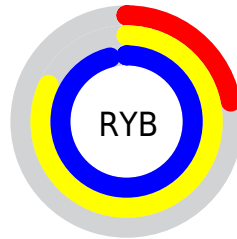
Distribution



Red (22%)

Green (96%)

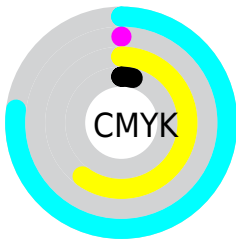
Blue (38%)



Red (22%)

Yellow (82%)

Blue (96%)

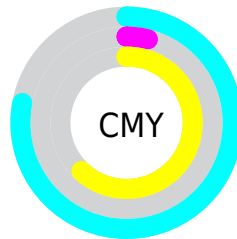


Cyan (77%)

Magenta (0%)

Yellow (60%)

Black (4%)



Cyan (78%)


Magenta (4%)


Yellow (62%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 36.2426, 66.4531, 22.4718 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 36.2426, 66.4531, 22.4718 by changing the saturation by 10% instead.


 36.2426, 66.4531,
22.4718


 36.2426, 66.4531,
22.4718


321.4324,
447.9956, 278.0338

 24.7926, 48.6403,
14.0024


 68.7278, 114.1364,
48.4367


 16.0505, 34.3342,
7.9835


 90.4937, 144.7757,
66.7692

 9.6510, 23.1505,
3.9968


 116.4289,
180.4593, 89.2266

 5.2286, 14.7047,
1.6236

 146.8988,
221.5716, 116.2272

 2.4182, 8.6124,
0.3076

182.2687,
268.4970, 148.1897

 0.8542, 4.4892,
0.0000

222.9041,

 0.0000, 1.9508,

321.6198, 185.5326

0.0000

269.1702,
381.3246, 228.6744

0.0000, 0.5787,
0.0000

0.0000, 0.0000,
0.0000

36.2426, 66.4531,
22.4718

36.2426, 66.4531,
22.4718

34.3761, 65.5847,
18.2356

38.9939, 67.7568,
27.8696


33.2677, 65.0822,
15.0704


42.7237, 69.5366,
34.5017


33.0062, 64.9657,
14.2290


47.5184, 71.8376,
42.4402

53.4534, 74.6973,
51.7501

 60.5973, 78.1498,
62.4923

 69.0129, 82.2262,
74.7237

 78.7589, 86.9556,
88.4983

 89.8901, 92.3653,
103.8675

 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.



48.8919, 66.4531, 9.5515



36.2426, 66.4531, 22.4718



31.0304, 66.4531, 58.5259

Triad

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



36.2426, 66.4531, 22.4718



58.1274, 66.4531, 257.8019



108.1453, 66.4531, 36.4178

Complementary

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



36.2426, 66.4531, 22.4718



49.5525, 26.4721, 58.9985

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.



112.1551, 66.4531, 88.2096



36.2426, 66.4531, 22.4718



79.9685, 66.4531, 239.7494

Square

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



36.2426, 66.4531, 22.4718



41.7188, 66.4531, 208.2988



100.9076, 66.4531, 167.4757



90.9225, 66.4531, 13.9315

Rectangle

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



36.2426, 66.4531, 22.4718



31.4311, 66.4531, 100.6271



100.9076, 66.4531, 167.4757



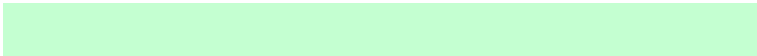
111.2182, 66.4531, 49.9483

Sweetspot

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



36.2442, 66.4558, 22.4733



70.1507, 87.9166, 73.7302



57.8520, 77.7644, 15.8319



14.3301, 18.4862, 14.7753



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.



36.2442, 66.4558, 22.4733



37.2212, 72.1387, 18.0659



43.4456, 69.3364, 60.3952



16.4309, 18.5315, 18.2877



17.9876, 35.3399, 7.9543



1.6178, 3.1208, 0.8932

Inverse Universe

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



49.5525, 26.4721, 58.9985



52.3437, 26.1131, 59.1322



41.5866, 23.2857, 17.0503



17.0490, 16.7024, 20.0044



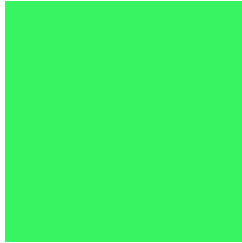
25.4228, 12.5125, 27.9984



2.2720, 1.1148, 2.6585

Previews

White Background



This preview shows how the XYZ color 36.2426, 66.4531, 22.4718 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 36.2426, 66.4531, 22.4718 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 36.2426, 66.4531, 22.4718

Background



This preview shows how black text looks on a background with the XYZ color 36.2426, 66.4531, 22.4718.

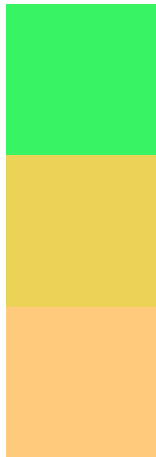


This preview shows how white text looks on a background with the XYZ color 36.2426, 66.4531,

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

36.2426, 66.4531, 22.4718

Protanopia

59.3167, 64.9553, 18.6438

Deuteranopia

65.9357, 64.9311, 27.7967



Tritanopia

51.2382, 66.0690, 98.0477

Trichromacy



Original Color

36.2426, 66.4531, 22.4718



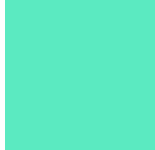
Protanomaly

44.8970, 62.0941, 19.7443



Deuteranomaly

47.3786, 60.9079, 25.1789



Tritanomaly

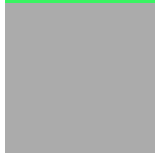
43.3628, 64.9200, 60.6974

Monochromacy



Original Color

36.2426, 66.4531, 22.4718



Achromatopsia

38.7082, 40.7240, 44.3485



Achromatomaly

34.4340, 47.1476, 33.6711

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.2426, 66.4531, 22.4718 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(57, 244, 98)` looks like.

```
.text, #text, p{  
    color:rgb(57, 244, 98)  
}
```

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(57, 244, 98) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(57, 244, 98) }
```

Border

The CSS property to change the border of an element to XYZ 36.2426, 66.4531, 22.4718 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(57, 244, 98) }
```


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

```
.border{ border-color:rgb(57, 244, 98) }
```

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

Here you see how a box with a 4 pixel rgb(57, 244, 98) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(57, 244, 98); -webkit-box-  
shadow:4px 4px 4px 4px rgb(57, 244, 98);  
box-shadow:4px 4px 4px 4px rgb(57, 244,  
98) }
```

Background

The CSS property to change the background color of an element to XYZ 36.2426, 66.4531, 22.4718 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(57, 244, 98) }
```

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

```
.background{ background-color: rgb(57, 244,  
98) }
```

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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