

# Converting Colors

XYZ(32.0377, 58.3066, 22.1314)

Have a look what the booklet for  
XYZ(32.0377, 58.3066, 22.1314)  
contains.

<b>XYZ(32.0105, 58.2310, 22.1230)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(32.0105, 58.2310,  
22.1230)**

# Conversions

## Conversions Part 1

Format	Color
Hex	32E666
RGB	50, 230, 102
RGB Percent	20%, 90%, 40%
CMY	0.8039, 0.0980, 0.6000
CMYK	0.78, 0.00, 0.56, 0.10
HSL	137°, 78%, 55%
HSV	137°, 78%, 90%
XYZ	32.0105, 58.2310, 22.1230
YIQ	161.5880, -66.1920, -77.9680

# Conversions

## Conversions Part 2

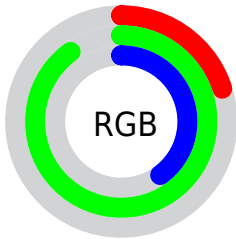
Format	Color
<a href="#">RYB</a>	<a href="#">50, 190, 230</a>
Decimal	<a href="#">3335782</a>
CIELab	<a href="#">80.87, -69.66, 49.43</a>
CIELCh	<a href="#">81, 85.416, 144.637</a>
Yxy	<a href="#">58.2310, 0.2849, 0.5182</a>
Android (android.graphics.Color)	<a href="#">4281525862 (0xFF32E666)</a>
YUV	<a href="#">161.5880, -29.3769, -97.8627</a>
Hunter-Lab	<a href="#">76.3092, -58.6633, 36.2276</a>

# Details

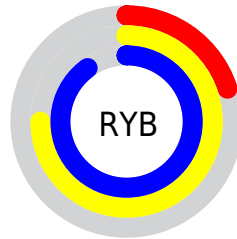
The XYZ color **32.0105, 58.2310, 22.1230** is a dark color, and the websafe version is hex **66FF66**. The color can be described as dark washed spring green. A complement of this color would be **41.8114, 22.3196, 44.2257**, and the grayscale version is **34.3065, 36.0931, 39.3054**.

A 20% lighter version of the original color is **50.2182, 78.2803, 43.9153**, and **15.4979, 30.1089, 7.9005** is the 20% darker color. If you saturate the color by 10%, you get **30.4155, 57.4951, 18.2245**, and if you desaturate by 10%, it is **34.3373, 59.3290, 26.8937**.

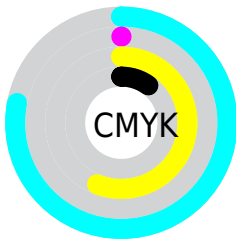
# Distribution



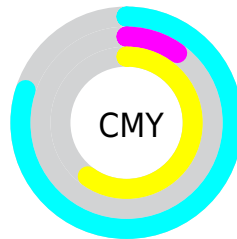
- Red (20%)
- Green (90%)
- Blue (40%)



- Red (20%)
- Yellow (75%)
- Blue (90%)



- Cyan (78%)
- Magenta (0%)
- Yellow (56%)
- Black (10%)




- Cyan (80%)
- Magenta (10%)
- Yellow (60%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 32.0105, 58.2310, 22.1230 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 32.0105, 58.2310, 22.1230 by changing the saturation by 10% instead.





 32.0105, 58.2310,  
22.1230


 32.0105, 58.2310,  
22.1230


302.9115,  
418.0461, 276.1624

 21.5251, 41.9944,  
13.7481


 62.1926, 102.2592,  
47.8540

 13.6230, 29.0969,  
7.8089


 82.6201, 130.8195,  
66.0472


 7.9389, 19.1541,  
3.8869

 107.0923,  
164.2566, 88.3503

 4.1073, 11.7817,  
1.5635

 135.9745,  
202.9547, 115.1817

 1.7630, 6.5952,  
0.2646

 169.6322,  
247.2983, 146.9601

 0.4952, 3.2103,  
0.0000

208.4307,

 0.0000, 1.2425,

297.6719, 184.1040

0.0000

252.7354,  
354.4597, 227.0319

■ 0.0000, 0.0960,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 32.0105, 58.2310,  
22.1230

■ 32.0105, 58.2310,  
22.1230

■ 30.4155, 57.4951,  
18.2245

■ 34.3373, 59.3290,  
26.8937


■ 29.4313, 57.0549,  
15.1394


■ 37.4754, 60.8241,  
32.5818


■ 29.2945, 56.9944,  
14.6805


■ 41.4980, 62.7547,  
39.2342

■ 46.4687, 65.1529,  
46.8931

 52.4450, 68.0473,  
55.5984

 59.4799, 71.4645,  
65.3876

 67.6223, 75.4291,  
76.2966

 76.9183, 79.9640,  
88.3592

 86.6689, 84.7082,  
101.5735

# Harmonies

## Analogous

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



42.3600, 58.2310, 9.7158



32.0105, 58.2310, 22.1230



27.9485, 58.2310, 54.7393

# Triad

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



32.0105, 58.2310, 22.1230



52.2325, 58.2310, 217.9471



92.3193, 58.2310, 30.8819

# Complementary

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



32.0105, 58.2310, 22.1230



41.8114, 22.3196, 44.2257

# 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.



96.5215, 58.2310, 72.9372



32.0105, 58.2310, 22.1230



70.7488, 58.2310, 199.3046

# Square

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



32.0105, 58.2310, 22.1230



37.9237, 58.2310, 180.4240



87.9258, 58.2310, 138.0139



77.4250, 58.2310, 12.5588



# Rectangle

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



32.0105, 58.2310, 22.1230



28.5576, 58.2310, 91.3001



87.9258, 58.2310, 138.0139



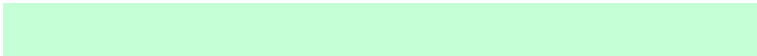
95.1463, 58.2310, 41.8613

# Sweetspot

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



32.0119, 58.2334, 22.1243



70.6636, 88.1218, 76.4311



47.4650, 66.4103, 13.3348



14.4517, 18.5348, 15.4158



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.



32.0119, 58.2334, 22.1243



37.5837, 72.2728, 20.4695



39.0178, 61.0358, 59.0170



14.3597, 16.1573, 16.1589



16.6302, 32.2842, 8.5529



1.2682, 2.4014, 0.8387



# Inverse Universe

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



41.8114, 22.3196, 44.2257



50.2518, 25.1449, 48.5217



35.5784, 19.8265, 11.4037



14.8083, 14.5405, 17.1909



22.3014, 11.0548, 21.0142



1.6878, 0.8328, 1.7623



# Previews

## White Background



This preview shows how the XYZ color 32.0105, 58.2310, 22.1230 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 32.0105, 58.2310, 22.1230 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

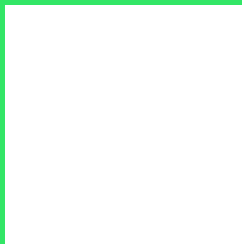
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 32.0105, 58.2310, 22.1230

## Background



This preview shows how black text looks on a background with the XYZ color 32.0105, 58.2310, 22.1230.



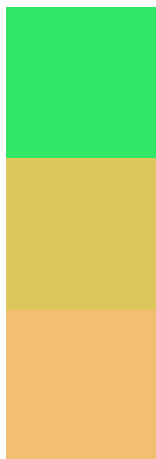
This preview shows how white text looks on a background with the XYZ color 32.0105, 58.2310,



# 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

32.0105, 58.2310, 22.1230

### Protanopia

52.1740, 56.9917, 18.3759

### Deuteranopia

58.0120, 56.8964, 23.5473



## Tritanopia

44.7740, 57.8189, 86.6422

# Trichromacy



## Original Color

32.0105, 58.2310, 22.1230



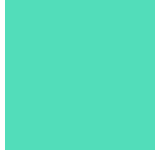
## Protanomaly

39.4560, 54.3086, 19.4694



## Deuteranomaly

41.6049, 53.5374, 22.6089



## Tritanomaly

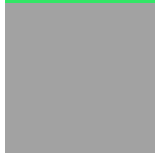
38.1991, 57.0519, 55.4532

# Monochromacy



## Original Color

32.0105, 58.2310, 22.1230



## Achromatopsia

34.3422, 36.1307, 39.3463



## Achromatomaly

30.3891, 41.4990, 31.2194

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 32.0105, 58.2310, 22.1230 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(50, 230, 102)` looks like.

```
.text, #text, p{  
    color:rgb(50, 230, 102)  
}
```

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(50, 230, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(50, 230, 102) }
```

## Border

The CSS property to change the border of an element to XYZ 32.0105, 58.2310, 22.1230 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(50, 230, 102) }
```



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

```
.border{ border-color:rgb(50, 230, 102) }
```

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

Here you see how a box with a 4 pixel `rgb(50, 230, 102)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(50, 230, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(50, 230, 102);  
box-shadow:4px 4px 4px 4px rgb(50, 230,  
102) }
```

# Background

The CSS property to change the background color of an element to XYZ 32.0105, 58.2310, 22.1230 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(50, 230, 102) }
```

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

```
.background{ background-color: rgb(50, 230,  
102) }
```

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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