

Converting Colors

XYZ(20.1497, 34.0615, 12.4509)

Have a look what the booklet for
XYZ(20.1497, 34.0615, 12.4509)
contains.

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Color

**XYZ(20.2073, 34.1925,
12.5560)**

Conversions

Conversions Part 1

Format	Color
Hex	49B34D
RGB	73, 179, 77
RGB Percent	29%, 70%, 30%
CMY	0.7137, 0.2980, 0.6980
CMYK	0.59, 0.00, 0.57, 0.30
HSL	122°, 42%, 49%
HSV	122°, 59%, 70%
XYZ	20.2073, 34.1925, 12.5560
YIQ	135.6780, -30.4340, -54.1940

Conversions

Conversions Part 2

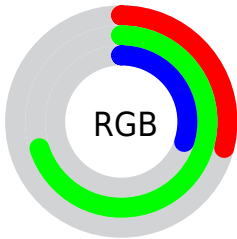
Format	Color
RYB	73, 175, 179
Decimal	4830029
CIELab	65.12, -51.21, 42.51
CIELCh	65, 66.556, 140.309
Yxy	34.1925, 0.3018, 0.5107
Android (android.graphics.Color)	4283020109 (0xFF49B34D)
YUV	135.6780, -28.9283, -54.9686
Hunter-Lab	58.4744, -40.6449, 28.2009

Details

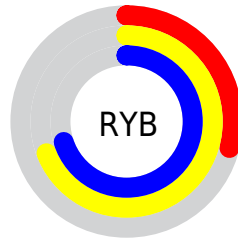
The XYZ color **20.2073, 34.1925, 12.5560** is a dark color, and the websafe version is hex **66CC66**. A complement of this color would be **28.7117, 17.4444, 42.4116**, and the grayscale version is **23.3949, 24.6132, 26.8038**.

A 20% lighter version of the original color is **43.3180, 66.4012, 31.3025**, and **7.5091, 14.7374, 3.3685** is the 20% darker color. If you saturate the color by 10%, you get **18.5116, 33.3805, 9.7118**, and if you desaturate by 10%, it is **22.4560, 35.2729, 16.2681**.

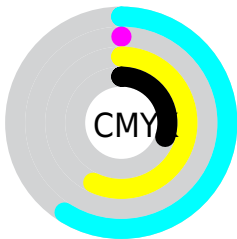
Distribution



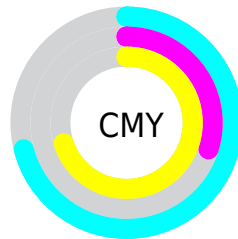
- Red (29%)
- Green (70%)
- Blue (30%)



- Red (29%)
- Yellow (69%)
- Blue (70%)



- Cyan (59%)
- Magenta (0%)
- Yellow (57%)
- Black (30%)




- Cyan (71%)
- Magenta (30%)
- Yellow (70%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 20.2073, 34.1925, 12.5560 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 20.2073, 34.1925, 12.5560 by changing the saturation by 10% instead.


 20.2073, 34.1925,
12.5560


 20.2073, 34.1925,
12.5560

245.8474,
320.9896, 219.1592


 12.6550, 23.0415,
6.9964


 43.2658, 66.2329,
31.1832


 7.2667, 14.6242,
3.3814


 59.5026, 87.8911,
45.0879


 3.6773, 8.5560,
1.2925


 79.3650, 113.8206,
62.6113

 1.5212, 4.4528,
0.0557

 103.2182,
144.4056, 84.1721

 0.3402, 1.9299,
0.0000

 131.4278,
180.0306, 110.1887

 0.0000, 0.5663,
0.0000

164.3589,

 0.0000, 0.0000,

221.0800, 141.0797

0.0000

202.3770,
267.9382, 177.2637

■ 20.2073, 34.1925,
12.5560

■ 20.2073, 34.1925,
12.5560

■ 18.5116, 33.3805,
9.7118

■ 22.4560, 35.2729,
16.2681

■ 17.3188, 32.8098,
7.6630

■ 25.2972, 36.6379,
20.9082

■ 16.5743, 32.4547,
6.3293

■ 28.7697, 38.3071,
26.5339

■ 16.1827, 32.2684,
5.6083

■ 32.9084, 40.2974,
33.1974

■ 16.1578, 32.2564,
5.5686

■ 37.7453, 42.6245,
40.9471

■ 43.3109, 45.3028,
49.8285

■ 49.6333, 48.3461,
59.8845

■ 56.7396, 51.7674,
71.1558

■ 64.6551, 55.5790,
83.6810

Harmonies

Analogous

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



26.4735, 34.1925, 6.3195



20.2073, 34.1925, 12.5560



17.4225, 34.1925, 28.9801

Triad

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



20.2073, 34.1925, 12.5560



29.4738, 34.1925, 118.0458



53.1968, 34.1925, 21.6608

Complementary

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



20.2073, 34.1925, 12.5560



28.7117, 17.4444, 42.4116

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.



54.4410, 34.1925, 46.9130



20.2073, 34.1925, 12.5560



39.3756, 34.1925, 112.6359

Square

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



20.2073, 34.1925, 12.5560



22.0287, 34.1925, 94.9373



48.9745, 34.1925, 82.5378



45.8512, 34.1925, 9.4785

Rectangle

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



20.2073, 34.1925, 12.5560



17.4455, 34.1925, 47.5751



48.9745, 34.1925, 82.5378



54.3920, 34.1925, 28.5048

Sweetspot

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



20.2081, 34.1939, 12.5568



59.6749, 72.5242, 60.6403



35.1083, 41.8911, 12.5388



12.7119, 15.8229, 12.6171



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

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



20.2081, 34.1939, 12.5568



32.4255, 59.4330, 16.1561



22.8666, 35.2573, 26.5561



8.4016, 9.4951, 9.1082



11.4229, 22.7951, 3.9638



0.3637, 0.7189, 0.1473

Inverse Universe

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



28.7117, 17.4444, 42.4116



49.0236, 26.6952, 74.3971



24.5157, 15.7660, 20.3159



8.8359, 8.6411, 10.6342



18.4208, 8.8859, 28.4396



0.5839, 0.2813, 0.9173

Previews

White Background



This preview shows how the XYZ color 20.2073, 34.1925, 12.5560 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 20.2073, 34.1925, 12.5560 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 20.2073, 34.1925, 12.5560

Background



This preview shows how black text looks on a background with the XYZ color 20.2073, 34.1925, 12.5560.



This preview shows how white text looks on a background with the XYZ color 20.2073, 34.1925,

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

20.2073, 34.1925, 12.5560

Protanopia

30.6180, 33.5548, 10.6573

Deuteranopia

34.2843, 33.6750, 13.2873



Tritanopia

27.4831, 33.9793, 49.3661

Trichromacy



Original Color

20.2073, 34.1925, 12.5560

Protanomaly

24.9743, 32.7097, 11.3006

Deuteranomaly

26.6623, 32.4885, 12.8483

Tritanomaly

23.9064, 33.6425, 31.6192

Monochromacy



Original Color

20.2073, 34.1925, 12.5560

Achromatopsia

23.4014, 24.6201, 26.8113

Achromatomaly

21.1328, 27.2050, 20.3569

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.2073, 34.1925, 12.5560 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(73, 179, 77)` looks like.

```
.text, #text, p{  
    color:rgb(73, 179, 77)  
}
```

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(73, 179, 77) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(73, 179, 77) }
```

Border

The CSS property to change the border of an element to XYZ 20.2073, 34.1925, 12.5560 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(73, 179, 77) }
```


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

```
.border{ border-color:rgb(73, 179, 77) }
```

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

Here you see how a box with a 4 pixel `rgb(73, 179, 77)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(73, 179, 77); -webkit-box-  
shadow:4px 4px 4px 4px rgb(73, 179, 77);  
box-shadow:4px 4px 4px 4px rgb(73, 179,  
77) }
```

Background

The CSS property to change the background color of an element to XYZ 20.2073, 34.1925, 12.5560 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(73, 179, 77) }
```

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

```
.background{ background-color: rgb(73, 179,  
77) }
```

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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