

Converting Colors

XYZ(19.9778, 36.2262, 14.4059)

Have a look what the booklet for
XYZ(19.9778, 36.2262, 14.4059)
contains.

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Color

**XYZ(19.9221, 36.1512,
14.3154)**

Conversions

Conversions Part 1

Format	Color
Hex	25BA54
RGB	37, 186, 84
RGB Percent	15%, 73%, 33%
CMY	0.8549, 0.2706, 0.6706
CMYK	0.80, 0.00, 0.55, 0.27
HSL	139°, 67%, 44%
HSV	139°, 80%, 73%
XYZ	19.9221, 36.1512, 14.3154
YIQ	129.8210, -56.0620, -63.3100

Conversions

Conversions Part 2

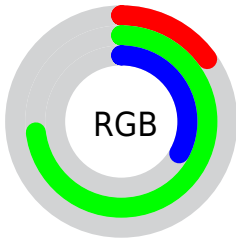
Format	Color
RYB	37, 150, 186
Decimal	2472532
CIELab	66.64, -59.18, 40.78
CIELCh	67, 71.867, 145.431
Yxy	36.1512, 0.2830, 0.5136
Android (android.graphics.Color)	4280662612 (0xFF25BA54)
YUV	129.8210, -22.5898, -81.4040
Hunter-Lab	60.1259, -46.0761, 27.9717

Details

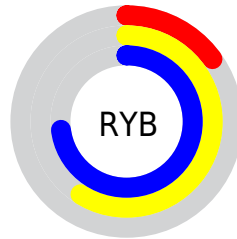
The XYZ color **19.9221, 36.1512, 14.3154** is a dark color, and the websafe version is hex **33CC66**. A complement of this color would be **25.5726, 13.6270, 25.7098**, and the grayscale version is **21.2472, 22.3537, 24.3432**.

A 20% lighter version of the original color is **42.6789, 69.0669, 34.3744**, and **8.3908, 16.3424, 4.1510** is the 20% darker color. If you saturate the color by 10%, you get **18.9626, 35.7101, 11.9000**, and if you desaturate by 10%, it is **21.3138, 36.8067, 17.2259**.

Distribution



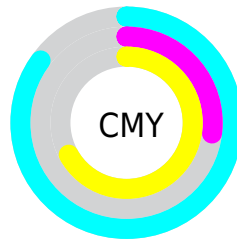
- Red (15%)
- Green (73%)
- Blue (33%)



- Red (15%)
- Yellow (59%)
- Blue (73%)



- Cyan (80%)
- Magenta (0%)
- Yellow (55%)
- Black (27%)





- Cyan (85%)
- Magenta (27%)
- Yellow (67%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 19.9221, 36.1512, 14.3154 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 19.9221, 36.1512, 14.3154 by changing the saturation by 10% instead.


 19.9221, 36.1512,
14.3154


 19.9221, 36.1512,
14.3154


244.3347,
329.6209, 230.6805


 12.4464, 24.5510,
8.1991


 42.7915, 69.2654,
34.3728


 7.1228, 15.7428,
4.1330


 58.9158, 91.5481,
49.1509


 3.5860, 9.3424,
1.6986


 78.6538, 118.1605,
67.6534

 1.4707, 4.9652,
0.3598

 102.3707,
149.4870, 90.2989

 0.3058, 2.2268,
0.0000

 130.4318,
185.9118, 117.5057

 0.0000, 0.7346,
0.0000

163.2027,

 0.0000, 0.0000,

227.8195, 149.6926

0.0000

201.0485,
275.5944, 187.2780

■ 19.9221, 36.1512,
14.3154

■ 19.9221, 36.1512,
14.3154

■ 18.9626, 35.7101,
11.9000

■ 21.3138, 36.8067,
17.2259

■ 18.3405, 35.4315,
9.9655

■ 23.1850, 37.6974,
20.6551

■ 25.5794, 38.8463,
24.6280

■ 28.5347, 40.2724,
29.1672

■ 32.0853, 41.9930,
34.2940

■ 36.2624, 44.0238,
40.0284

■ 41.0952, 46.3794,
46.3897

■ 46.6109, 49.0735,
53.3962

■ 52.8353, 52.1190,
61.0655

Harmonies

Analogous

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



26.1808, 36.1512, 6.3530



19.9221, 36.1512, 14.3154



17.5185, 36.1512, 34.8057

Triad

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



19.9221, 36.1512, 14.3154



32.7303, 36.1512, 133.5975



56.7743, 36.1512, 18.9243

Complementary

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



19.9221, 36.1512, 14.3154



25.5726, 13.6270, 25.7098

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.



59.5424, 36.1512, 44.3006



19.9221, 36.1512, 14.3154



44.0882, 36.1512, 121.3823

Square

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



19.9221, 36.1512, 14.3154



23.8591, 36.1512, 111.6047



54.4900, 36.1512, 83.7555



47.5642, 36.1512, 7.8660

Rectangle

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



19.9221, 36.1512, 14.3154



17.9584, 36.1512, 57.4339



54.4900, 36.1512, 83.7555



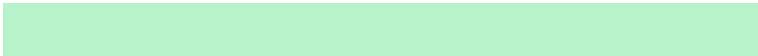
58.5615, 36.1512, 25.5455

Sweetspot

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



19.9230, 36.1527, 14.3162



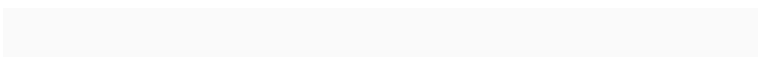
62.3341, 78.1427, 67.9542



28.9297, 40.9421, 8.1284



13.1396, 16.9229, 14.1541



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438

Same Dimension

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



19.9230, 36.1527, 14.3162



33.5111, 64.3410, 18.8461



24.3406, 37.9197, 37.5791



9.0039, 10.1056, 10.1781



12.3689, 23.8485, 6.8644



0.4649, 0.8523, 0.3941

Inverse Universe

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



25.5726, 13.6270, 25.7098



43.9603, 21.9924, 39.4111



21.9194, 12.1657, 6.4722



9.2571, 9.1132, 10.7013



16.2501, 8.0738, 14.4699



0.5995, 0.2953, 0.6506

Previews

White Background



This preview shows how the XYZ color 19.9221, 36.1512, 14.3154 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 19.9221, 36.1512, 14.3154 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 19.9221, 36.1512, 14.3154

Background



This preview shows how black text looks on a background with the XYZ color 19.9221, 36.1512, 14.3154.



This preview shows how white text looks on a background with the XYZ color 19.9221, 36.1512,

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

19.9221, 36.1512, 14.3154

Protanopia

32.4095, 35.4765, 11.9770

Deuteranopia

36.1320, 35.3085, 15.2668



Tritanopia

27.8235, 36.0395, 53.6340

Trichromacy



Original Color

19.9221, 36.1512, 14.3154



Protanomaly

24.5384, 33.8260, 12.6329



Deuteranomaly

25.7818, 33.0517, 14.6936



Tritanomaly

23.8204, 35.5646, 34.8873

Monochromacy



Original Color

19.9221, 36.1512, 14.3154



Achromatopsia

21.2178, 22.3228, 24.3095



Achromatomaly

18.7109, 25.4917, 19.5570

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.9221, 36.1512, 14.3154 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(37, 186, 84)` looks like.

```
.text, #text, p{  
    color:rgb(37, 186, 84)  
}
```

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(37, 186, 84) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(37, 186, 84) }
```

Border

The CSS property to change the border of an element to XYZ 19.9221, 36.1512, 14.3154 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(37, 186, 84) }
```


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

```
.border{ border-color:rgb(37, 186, 84) }
```

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

Here you see how a box with a 4 pixel rgb(37, 186, 84) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(37, 186, 84); -webkit-box-  
shadow:4px 4px 4px 4px rgb(37, 186, 84);  
box-shadow:4px 4px 4px 4px rgb(37, 186,  
84) }
```

Background

The CSS property to change the background color of an element to XYZ 19.9221, 36.1512, 14.3154 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(37, 186, 84) }
```

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

```
.background{ background-color: rgb(37, 186,  
84) }
```

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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