

Converting Colors

XYZ(53.1600, 77.3801, 26.3214)

Have a look what the booklet for
XYZ(53.1600, 77.3801, 26.3214)
contains.

XYZ(53.1600, 77.3801, 26.3214)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(53.1600, 77.3801,
26.3214)**

Conversions

Conversions Part 1

Format	Color
Hex	AAF96C
RGB	170, 249, 108
RGB Percent	67%, 98%, 42%
CMY	0.3333, 0.0235, 0.5765
CMYK	0.32, 0.00, 0.57, 0.02
HSL	94°, 92%, 70%
HSV	94°, 57%, 98%
XYZ	53.1600, 77.3801, 26.3214
YIQ	209.3050, -1.8230, -60.5990

Conversions

Conversions Part 2

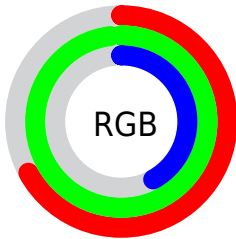
Format	Color
RYB	108, 249, 187
Decimal	11204972
CIELab	90.50, -47.08, 59.03
CIElCh	90, 75.501, 128.576
Yxy	77.3801, 0.3389, 0.4933
Android (android.graphics.Color)	4289395052 (0xFFAAF96C)
YUV	209.3050, -49.9434, -34.4705
Hunter-Lab	87.9660, -46.0685, 43.8353

Details

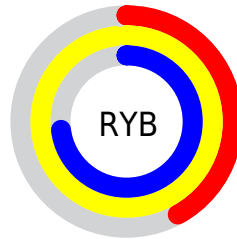
The XYZ color **53.1600, 77.3801, 26.3214** is a light color, and the websafe version is hex **99FF66**. A complement of this color would be **42.9585, 28.1319, 92.7927**, and the grayscale version is **61.1224, 64.3055, 70.0287**.

A 20% lighter version of the original color is **74.6840, 90.8224, 48.2445**, and **26.3023, 41.4670, 9.9858** is the 20% darker color. If you saturate the color by 10%, you get **49.1622, 75.4534, 20.1775**, and if you desaturate by 10%, it is **57.8601, 79.6299, 34.4763**.

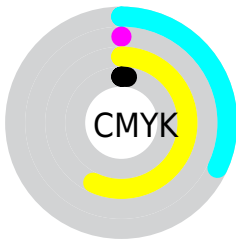
Distribution



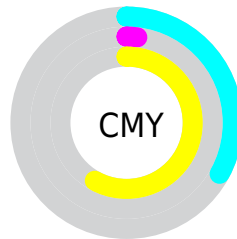
- Red (67%)
- Green (98%)
- Blue (42%)



- Red (42%)
- Yellow (98%)
- Blue (73%)



- Cyan (32%)
- Magenta (0%)
- Yellow (57%)
- Black (2%)





- Cyan (33%)
- Magenta (2%)
- Yellow (58%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 53.1600, 77.3801, 26.3214 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 53.1600, 77.3801, 26.3214 by changing the saturation by 10% instead.


 53.1600, 77.3801,
26.3214


 53.1600, 77.3801,
26.3214


389.1495,
486.0590, 298.0118


 38.1585, 57.5649,
16.8363


 94.0039, 129.6759,
54.7834

 26.2835, 41.4589,
9.9571


 120.5770,
162.9253, 74.5974

 17.1696, 28.6779,
5.2653


 151.7381,
201.4215, 98.6915

 10.4516, 18.8373,
2.3423

 187.8524,
245.5489, 127.4842

 5.7639, 11.5528,
0.7548

229.2853,
295.6920, 161.3940

 2.7414, 6.4399,
0.0000

276.4023,

 1.0185, 3.1144,

352.2351, 200.8396

0.0000

329.5685,
415.5627, 246.2393

0.0000, 1.1917,
0.0000

0.0000, 0.0549,
0.0000

53.1600, 77.3801,
26.3214

53.1600, 77.3801,
26.3214

49.1622, 75.4534,
20.1775

57.8601, 79.6299,
34.4763

45.8179, 73.8214,
15.8642


63.2956, 82.2093,
44.7918


43.0798, 72.4665,
13.1780


69.5040, 85.1370,
57.4091


40.8877, 71.3633,
11.8608

76.5181, 88.4272,
72.4560

 40.2436, 71.0366,
11.5904

 84.3689, 92.0931,
90.0509

 92.6954, 95.9913,
108.2504

 93.1673, 96.2346,
108.2724

Harmonies

Analogous

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



68.2676, 77.3801, 17.6053



53.1600, 77.3801, 26.3214



44.6731, 77.3801, 51.7065

Triad

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



53.1600, 77.3801, 26.3214



61.0720, 77.3801, 222.7655



115.5849, 77.3801, 69.6864

Complementary

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



53.1600, 77.3801, 26.3214



42.9585, 28.1319, 92.7927

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.



112.7669, 77.3801, 128.2051



53.1600, 77.3801, 26.3214



79.0928, 77.3801, 234.4749

Square

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



53.1600, 77.3801, 26.3214



48.6679, 77.3801, 167.0980



98.5765, 77.3801, 194.4262



105.7234, 77.3801, 34.6426

Rectangle

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



53.1600, 77.3801, 26.3214



42.9064, 77.3801, 81.6968



98.5765, 77.3801, 194.4262



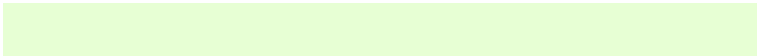
116.1190, 77.3801, 86.8636

Sweetspot

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



53.1619, 77.3835, 26.3231



80.4611, 93.1966, 75.8041



59.2410, 56.1540, 21.9050



16.8897, 19.7923, 15.5005



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.



53.1619, 77.3835, 26.3231



51.3371, 79.3761, 20.5184



43.1598, 72.1821, 27.8938



17.7416, 19.6826, 18.3264



21.6976, 38.1038, 6.2112



2.1290, 3.5906, 0.5809

Inverse Universe

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



42.9585, 28.1319, 92.7927



39.5719, 22.7494, 96.9131



60.4521, 37.2748, 87.9777



17.2135, 17.1227, 21.7831



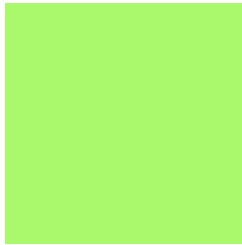
15.0648, 6.7089, 48.4745



1.5170, 0.6841, 4.4953

Previews

White Background



This preview shows how the XYZ color 53.1600, 77.3801, 26.3214 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 53.1600, 77.3801, 26.3214 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

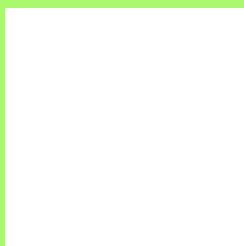
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 53.1600, 77.3801, 26.3214

Background



This preview shows how black text looks on a background with the XYZ color 53.1600, 77.3801, 26.3214.

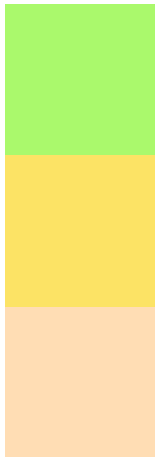


This preview shows how white text looks on a background with the XYZ color 53.1600, 77.3801,

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

53.1600, 77.3801, 26.3214

Protanopia

69.9629, 76.5732, 23.4046

Deuteranopia

75.3347, 76.2682, 53.9307



Tritanopia

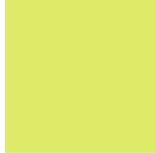
68.6383, 77.0139, 104.1760

Trichromacy



Original Color

53.1600, 77.3801, 26.3214



Protanomaly

62.3312, 75.9457, 24.4705



Deuteranomaly

65.1491, 75.3322, 41.6787



Tritanomaly

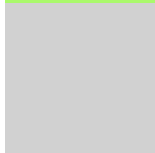
60.8203, 75.9704, 66.1018

Monochromacy



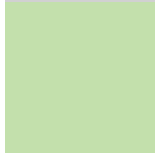
Original Color

53.1600, 77.3801, 26.3214



Achromatopsia

60.6036, 63.7597, 69.4343



Achromatomaly

56.6077, 67.8920, 49.1506

CSS Examples

Text

The CSS property to change the color of the text to XYZ 53.1600, 77.3801, 26.3214 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(170, 249, 108)` looks like.

```
.text, #text, p{  
    color:rgb(170, 249, 108)  
}
```

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(170, 249, 108) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 249, 108) }
```

Border

The CSS property to change the border of an element to XYZ 53.1600, 77.3801, 26.3214 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(170, 249, 108) }
```


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

```
.border{ border-color:rgb(170, 249, 108) }
```

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

Here you see how a box with a 4 pixel rgb(170, 249, 108) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 249, 108); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 249, 108);  
box-shadow:4px 4px 4px 4px rgb(170, 249,  
108) }
```

Background

The CSS property to change the background color of an element to XYZ 53.1600, 77.3801, 26.3214 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 249, 108) }
```

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

```
.background{ background-color: rgb(170,  
249, 108) }
```

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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