

Converting Colors

XYZ(77.6985, 93.0594, 17.5280)

Have a look what the booklet for
XYZ(77.6985, 93.0594, 17.5280)
contains.

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Color

**XYZ(77.6896, 93.0558,
17.4813)**

Conversions

Conversions Part 1

Format	Color
Hex	FFFF37
RGB	255, 255, 55
RGB Percent	100%, 100%, 22%
CMY	0.0000, 0.0000, 0.7843
CMYK	0.00, 0.00, 0.78, 0.00
HSL	60°, 100%, 61%
HSV	60°, 78%, 100%
XYZ	77.6896, 93.0558, 17.4813
YIQ	232.2000, 64.2000, -62.2000

Conversions

Conversions Part 2

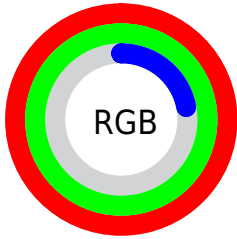
Format	Color
R _Y B	55, 255, 55
Decimal	16777015
CIE Lab	97.25, -20.65, 86.56
CIE LCh	97, 88.987, 103.419
Yxy	93.0558, 0.4127, 0.4944
Android (android.graphics.Color)	4294967095 (0xFFFFFFFF37)
YUV	232.2000, -87.3596, 19.9956
Hunter-Lab	96.4654, -25.0574, 56.7814

Details

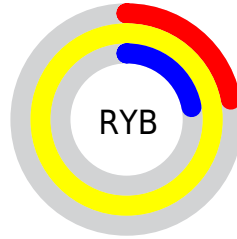
The XYZ color **77.6896, 93.0558, 17.4813** is a light color, and the websafe version is hex **FFFF33**. The color can be described as light washed yellow. A complement of this color would be **20.9927, 10.7658, 95.5793**, and the grayscale version is **77.4518, 81.4853, 88.7375**.

A 20% lighter version of the original color is **80.3298, 94.1119, 31.3843**, and **42.6716, 52.3162, 7.8490** is the 20% darker color. If you saturate the color by 10%, you get **77.2278, 92.8711, 15.0513**, and if you desaturate by 10%, it is **78.4666, 93.3666, 21.5744**.

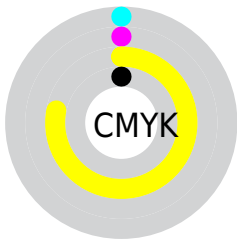
Distribution



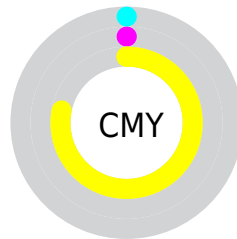
- Red (100%)
- Green (100%)
- Blue (22%)



- Red (22%)
- Yellow (100%)
- Blue (22%)



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





- Cyan (0%)
- Magenta (0%)
- Yellow (78%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 77.6896, 93.0558, 17.4813 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 77.6896, 93.0558, 17.4813 by changing the saturation by 10% instead.


 77.6896, 93.0558,
17.4813


 77.6896, 93.0558,
17.4813


475.9680,
537.9219, 250.0681

 58.1209, 70.5179,
10.4127


 129.0801,
151.5759, 39.9534


 42.1495, 51.9488,
5.5642


 161.6327,
188.3268, 56.1939


 29.4100, 36.9643,
2.5175


 199.2440,
230.5842, 76.3288

 19.5370, 25.1799,
0.8494

 242.2793,
278.7325, 100.7767

 12.1653, 16.2111,
0.0000

 291.1040,
333.1560, 129.9560

 6.9293, 9.6737,
0.0000

346.0834,

 3.4639, 5.1831,

394.2391, 164.2853

0.0000

407.5830,
462.3663, 204.1831

■ 1.4036, 2.3551,
0.0000

■ 0.2588, 0.8026,
0.0000

■ 77.6896, 93.0558,
17.4813

■ 77.6896, 93.0558,
17.4813

■ 77.2278, 92.8711,
15.0513

■ 78.4666, 93.3666,
21.5744

■ 77.0216, 92.7886,
13.9657

■ 79.6018, 93.8207,
27.5519

■ 76.9997, 92.7798,
13.8500

■ 81.1312, 94.4325,
35.6053

■ 83.0865, 95.2146,
45.9015

■ 85.4961, 96.1784,
58.5906

■ 88.3862, 97.3345,
73.8094

■ 91.7808, 98.6923,
91.6849

95.0500, 100.0000,
108.9000

Harmonies

Analogous

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



102.9808, 93.0558, 18.1016



77.6896, 93.0558, 17.4813



59.1921, 93.0558, 30.3343

Triad

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



77.6896, 93.0558, 17.4813



57.7598, 93.0558, 229.4766



143.3771, 93.0558, 146.2183

Complementary

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



77.6896, 93.0558, 17.4813



20.9927, 10.7658, 95.5793

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.



126.0327, 93.0558, 238.9252



77.6896, 93.0558, 17.4813



75.3489, 93.0558, 300.5260

Square

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



77.6896, 93.0558, 17.4813



49.2466, 93.0558, 136.9905



100.1537, 93.0558, 304.6287



144.3325, 93.0558, 72.4537

Rectangle

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



77.6896, 93.0558, 17.4813



51.8579, 93.0558, 51.1168



100.1537, 93.0558, 304.6287



139.1400, 93.0558, 176.8085

Sweetspot

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



77.6895, 93.0558, 17.4825



86.7151, 96.6660, 65.0093



43.2964, 24.2692, 6.0180



18.3490, 20.6059, 12.8007



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.



77.6895, 93.0558, 17.4825



77.0881, 92.8152, 14.3154



49.9683, 78.7649, 16.1851



19.5613, 21.0908, 19.1843



40.2340, 48.4795, 7.2369



3.9174, 4.7203, 0.7046

Inverse Universe

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



20.9927, 10.7658, 95.5793



18.4270, 7.6743, 95.1178



32.9351, 16.9223, 96.1382



17.0031, 17.3778, 22.7080



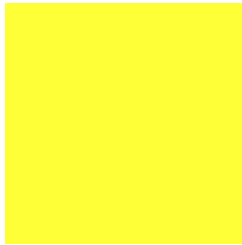
9.4315, 3.7726, 49.6657



0.9183, 0.3673, 4.8358

Previews

White Background



This preview shows how the XYZ color 77.6896, 93.0558, 17.4813 looks on a white background.

Color Contrast Check

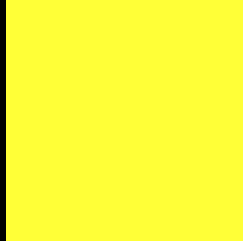
Large Text (above 18pt) WCAG AA × Fail

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 77.6896, 93.0558, 17.4813 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 77.6896, 93.0558, 17.4813

Background



This preview shows how black text looks on a background with the XYZ color 77.6896, 93.0558, 17.4813.

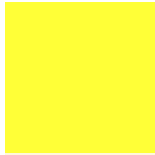


This preview shows how white text looks on a background with the XYZ color 77.6896, 93.0558,

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



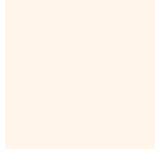
Original Color

77.6896, 93.0558, 17.4813



Protanopia

87.1557, 92.8435, 79.6567



Deuteranopia

88.7437, 92.5053, 91.0199



Tritanopia

90.8460, 92.8635, 103.5788

Trichromacy



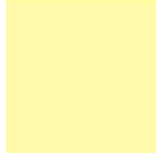
Original Color

77.6896, 93.0558, 17.4813



Protanomaly

81.6836, 92.1344, 46.2794



Deuteranomaly

82.2771, 91.8759, 50.9335



Tritanomaly

82.9441, 91.6495, 55.9663

Monochromacy



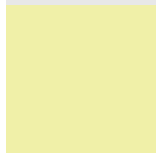
Original Color

77.6896, 93.0558, 17.4813



Achromatopsia

76.7008, 80.6952, 87.8771



Achromatomaly

74.1632, 83.6726, 49.2874

CSS Examples

Text

The CSS property to change the color of the text to XYZ 77.6896, 93.0558, 17.4813 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(255, 255, 55)` looks like.

```
.text, #text, p{  
    color:rgb(255, 255, 55)  
}
```

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(255, 255, 55) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 255, 55) }
```

Border

The CSS property to change the border of an element to XYZ 77.6896, 93.0558, 17.4813 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(255, 255, 55) }
```


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

```
.border{ border-color:rgb(255, 255, 55) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 255, 55)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 255, 55); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 255, 55);  
box-shadow:4px 4px 4px 4px rgb(255, 255,  
55) }
```

Background

The CSS property to change the background color of an element to XYZ 77.6896, 93.0558, 17.4813 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 255, 55) }
```

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

```
.background{ background-color: rgb(255,  
255, 55) }
```

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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