

Converting Colors

XYZ(72.4766, 82.8485, 20.3468)

Have a look what the booklet for
XYZ(72.4766, 82.8485, 20.3468)
contains.

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Color

**XYZ(72.5727, 83.0530,
20.3895)**

Conversions

Conversions Part 1

Format	Color
Hex	FCEF53
RGB	252, 239, 83
RGB Percent	99%, 94%, 33%
CMY	0.0118, 0.0627, 0.6745
CMYK	0.00, 0.05, 0.67, 0.01
HSL	55°, 97%, 66%
HSV	55°, 67%, 99%
XYZ	72.5727, 83.0530, 20.3895
YIQ	225.1030, 57.8240, -45.7600

Conversions

Conversions Part 2

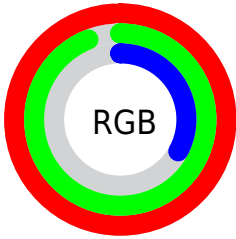
Format	Color
R _Y B	97, 252, 83
Decimal	16576339
CIE Lab	93.04, -12.99, 73.57
CIE LCh	93, 74.711, 100.014
Yxy	83.0530, 0.4123, 0.4719
Android (android.graphics.Color)	4294766419 (0xFFFC53)
YUV	225.1030, -70.0568, 23.5887
Hunter-Lab	91.1334, -17.3377, 50.5283

Details

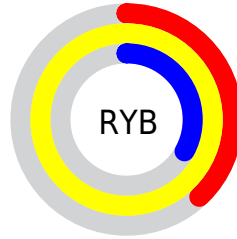
The XYZ color **72.5727, 83.0530, 20.3895** is a light color, and the websafe version is hex **FFFF66**. The color can be described as light muted yellow. A complement of this color would be **25.3210, 17.2328, 94.0865**, and the grayscale version is **72.1032, 75.8582, 82.6096**.

A 20% lighter version of the original color is **81.7336, 94.6734, 38.7769**, and **38.7210, 45.0932, 6.9215** is the 20% darker color. If you saturate the color by 10%, you get **71.2077, 81.6074, 15.9758**, and if you desaturate by 10%, it is **74.3011, 84.6599, 26.6696**.

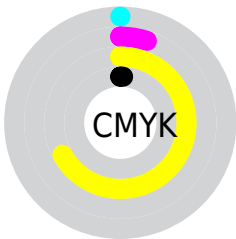
Distribution



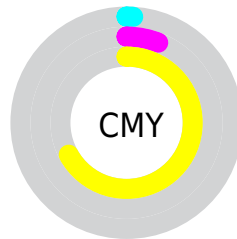
- Red (99%)
- Green (94%)
- Blue (33%)



- Red (38%)
- Yellow (99%)
- Blue (33%)



- Cyan (0%)
- Magenta (5%)
- Yellow (67%)
- Black (1%)



- Cyan (1%)
- Magenta (6%)
- Yellow (67%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 72.5727, 83.0530, 20.3895 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 72.5727, 83.0530, 20.3895 by changing the saturation by 10% instead.


 72.5727, 83.0530,
20.3895


 72.5727, 83.0530,
20.3895


458.6593,
505.1631, 266.6896

 53.9138, 62.2339,
12.4916


 121.8768,
137.6497, 44.9368


 38.7631, 45.2217,
6.9528


 153.2527,
172.1960, 62.4232

 26.7554, 31.6321,
3.3546


 189.5983,
212.0869, 83.9430

 17.5252, 21.0806,
1.2784

 231.2790,
257.7067, 109.9145

 10.7073, 13.1830,
0.0440

278.6600,
309.4399, 140.7564

 5.9362, 7.5547,
0.0000

332.1069,

 2.8466, 3.8113,

367.6707, 176.8872

0.0000

391.9848,
432.7837, 218.7254

■ 1.0732, 1.5686,
0.0000

■ 0.0025, 0.3363,
0.0000

■ 72.5727, 83.0530,
20.3895

■ 72.5727, 83.0530,
20.3895

■ 71.2077, 81.6074,
15.9758

■ 74.3011, 84.6599,
26.6696

■ 70.1598, 80.2952,
13.2108

■ 76.4214, 86.4303,
34.9922

■ 69.3792, 79.0996,
11.8237

■ 78.9660, 88.3801,
45.5186

■ 69.1775, 78.7612,
11.5564

■ 81.9622, 90.5204,
58.3926

85.4349, 92.8612,
73.7459

89.4074, 95.4117,
91.7003

93.1838, 97.8937,
108.5918

93.7972, 99.1205,
108.7963

93.9546, 99.4353,
108.8487

Harmonies

Analogous

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



92.5182, 83.0530, 22.2397



72.5727, 83.0530, 20.3895



57.1241, 83.0530, 30.4401

Triad

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



72.5727, 83.0530, 20.3895



53.4749, 83.0530, 178.9737



119.8660, 83.0530, 132.5130

Complementary

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



72.5727, 83.0530, 20.3895



25.3210, 17.2328, 94.0865

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.



105.7026, 83.0530, 200.6873



72.5727, 83.0530, 20.3895



66.7588, 83.0530, 234.3031

Square

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



72.5727, 83.0530, 20.3895



47.3679, 83.0530, 110.5031



85.6679, 83.0530, 243.5733



122.1176, 83.0530, 72.9491

Rectangle

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



72.5727, 83.0530, 20.3895



50.6163, 83.0530, 46.5401



85.6679, 83.0530, 243.5733



116.2414, 83.0530, 155.7265

Sweetspot

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



72.5746, 83.0569, 20.3912



86.6610, 94.6634, 70.8311



45.4000, 27.7473, 14.2938



18.3324, 20.1163, 14.2014



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.



72.5746, 83.0569, 20.3912



72.7967, 83.4174, 15.3963



55.5652, 80.1396, 20.7246



18.6065, 19.9489, 18.3322



36.0852, 41.1271, 6.0364



3.3751, 3.8750, 0.5701

Inverse Universe

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



25.3210, 17.2328, 94.0865



21.4036, 11.9006, 95.7767



33.8804, 20.0287, 94.1750



16.3902, 16.8573, 21.7752



9.3167, 3.9890, 48.2525



0.8988, 0.4412, 4.4810

Previews

White Background



This preview shows how the XYZ color 72.5727, 83.0530, 20.3895 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 72.5727, 83.0530, 20.3895 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

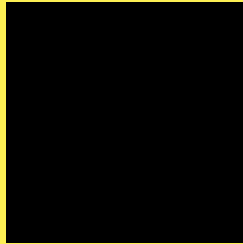
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 72.5727, 83.0530, 20.3895

Background



This preview shows how black text looks on a background with the XYZ color 72.5727, 83.0530, 20.3895.



This preview shows how white text looks on a background with the XYZ color 72.5727, 83.0530,

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

72.5727, 83.0530, 20.3895

Protanopia

76.2936, 82.8148, 39.9807

Deuteranopia

80.4766, 82.6761, 67.5936



Tritanopia

84.5634, 82.9788, 93.2209

Trichromacy



Original Color

72.5727, 83.0530, 20.3895



Protanomaly

74.5066, 82.5170, 31.0692



Deuteranomaly

76.5539, 82.4197, 44.6747



Tritanomaly

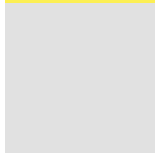
78.1732, 82.1615, 55.9945

Monochromacy



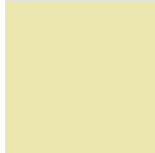
Original Color

72.5727, 83.0530, 20.3895



Achromatopsia

71.5672, 75.2942, 81.9954



Achromatomaly

70.1006, 77.2729, 50.7556

CSS Examples

Text

The CSS property to change the color of the text to XYZ 72.5727, 83.0530, 20.3895 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(252, 239, 83)` looks like.

```
.text, #text, p{  
    color:rgb(252, 239, 83)  
}
```

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(252, 239, 83) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(252, 239, 83) }
```

Border

The CSS property to change the border of an element to XYZ 72.5727, 83.0530, 20.3895 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(252, 239, 83) }
```


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

```
.border{ border-color:rgb(252, 239, 83) }
```

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

Here you see how a box with a 4 pixel `rgb(252, 239, 83)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(252, 239, 83); -webkit-box-  
shadow:4px 4px 4px 4px rgb(252, 239, 83);  
box-shadow:4px 4px 4px 4px rgb(252, 239,  
83) }
```

Background

The CSS property to change the background color of an element to XYZ 72.5727, 83.0530, 20.3895 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(252, 239, 83) }
```

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

```
.background{ background-color: rgb(252,  
239, 83) }
```

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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