

Converting Colors

XYZ(46.6714, 72.7936, 20.2683)

Have a look what the booklet for
XYZ(46.6714, 72.7936, 20.2683)
contains.

XYZ(46.6281, 72.7705, 20.1829)	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(46.6281, 72.7705,
20.1829)**

Conversions

Conversions Part 1

Format	Color
Hex	93F655
RGB	147, 246, 85
RGB Percent	58%, 96%, 33%
CMY	0.4235, 0.0353, 0.6666
CMYK	0.40, 0.00, 0.65, 0.04
HSL	97°, 90%, 65%
HSV	97°, 65%, 96%
XYZ	46.6281, 72.7705, 20.1829
YIQ	198.0450, -7.3230, -71.0590

Conversions

Conversions Part 2

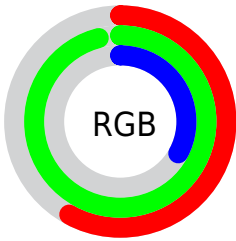
Format	Color
RYB	85, 246, 184
Decimal	9696853
CIELab	88.34, -55.39, 65.86
CIElCh	88, 86.055, 130.066
Yxy	72.7705, 0.3341, 0.5213
Android (android.graphics.Color)	4287886933 (0xFF93F655)
YUV	198.0450, -55.7312, -44.7665
Hunter-Lab	85.3056, -51.7167, 45.6862

Details

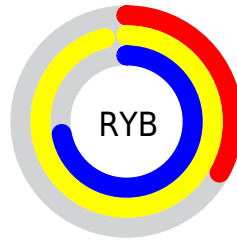
The XYZ color **46.6281, 72.7705, 20.1829** is a light color, and the websafe version is hex **99FF66**. The color can be described as light muted chartreuse. A complement of this color would be **39.6539, 23.3436, 89.6087**, and the grayscale version is **54.0372, 56.8513, 61.9111**.

A 20% lighter version of the original color is **66.0213, 86.5649, 38.4283**, and **22.2456, 38.4684, 6.8688** is the 20% darker color. If you saturate the color by 10%, you get **43.2794, 71.1404, 15.7817**, and if you desaturate by 10%, it is **50.6766, 74.7266, 26.3923**.

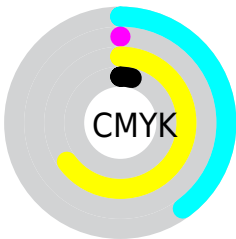
Distribution



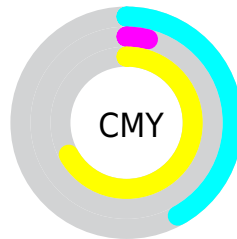
- Red (58%)
- Green (96%)
- Blue (33%)



- Red (33%)
- Yellow (96%)
- Blue (72%)



- Cyan (40%)
- Magenta (0%)
- Yellow (65%)
- Black (4%)



- Cyan (42%)
- Magenta (4%)
- Yellow (67%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 46.6281, 72.7705, 20.1829 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 46.6281, 72.7705, 20.1829 by changing the saturation by 10% instead.

46.6281, 72.7705,
20.1829

46.6281, 72.7705,
20.1829

364.0018,
470.2190, 265.5405

32.9485, 53.7883,
12.3427

84.3804, 123.1514,
44.5866

22.2460, 38.4325,
6.8521

109.1837,
155.3188, 61.9872

14.1554, 26.3185,
3.2928

138.4256,
192.6502, 83.4116

8.3112, 17.0621,
1.2460

172.4715,
235.5298, 109.2784

4.3482, 10.2788,
0.0169

211.6867,
284.3421, 140.0062

1.9010, 5.5842,
0.0000


256.4366,

0.5774, 2.5939,


339.4715, 176.0134


0.0000


307.0865,
401.3023, 217.7186


 0.0000, 0.9236,
0.0000


 0.0000, 0.0000,
0.0000


 46.6281, 72.7705,
20.1829


 46.6281, 72.7705,
20.1829


 43.2794, 71.1404,
15.7817


 50.6766, 74.7266,
26.3923


 40.5746, 69.8050,
12.9887


 55.4645, 77.0188,
34.5726


 38.4550, 68.7417,
11.5645


 61.0340, 79.6677,
44.8736

 37.6483, 68.3329,
11.2053

 67.4222, 82.6897,
57.4295

 74.6638, 86.0998,
72.3633

 82.7911, 89.9123,
89.7890

 91.4770, 93.9975,
107.9297

 92.2473, 94.3946,
107.9658

Harmonies

Analogous

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



62.4560, 72.7705, 11.7292



46.6281, 72.7705, 20.1829



38.1523, 72.7705, 46.4458

Triad

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



46.6281, 72.7705, 20.1829



56.4934, 72.7705, 241.4111



116.0871, 72.7705, 60.9755

Complementary

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



46.6281, 72.7705, 20.1829



39.6539, 23.3436, 89.6087

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.



113.6085, 72.7705, 124.6692



46.6281, 72.7705, 20.1829



76.3405, 72.7705, 252.2076

Square

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



46.6281, 72.7705, 20.1829



43.0128, 72.7705, 177.2764



97.9996, 72.7705, 202.0041



104.2189, 72.7705, 26.2663

Rectangle

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



46.6281, 72.7705, 20.1829



36.5746, 72.7705, 79.3659



97.9996, 72.7705, 202.0041



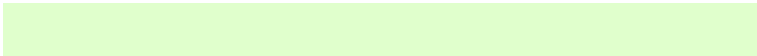
116.9524, 72.7705, 79.1037

Sweetspot

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



46.6298, 72.7736, 20.1845



77.2875, 91.6692, 70.7472



56.2949, 53.5441, 15.9634



16.0748, 19.4006, 14.1823



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.



46.6298, 72.7736, 20.1845



45.7941, 76.6170, 15.8098



39.0582, 68.7878, 23.5578



16.8855, 18.7830, 17.5331



20.2391, 36.5465, 5.9875



1.8899, 3.2694, 0.5314

Inverse Universe

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



39.6539, 23.3436, 89.6087



37.5778, 19.2143, 96.3359



55.5263, 31.7994, 78.0044



16.5597, 16.4312, 20.8413



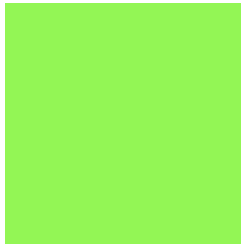
15.8798, 7.1606, 47.0832



1.5102, 0.6884, 4.1435

Previews

White Background



This preview shows how the XYZ color 46.6281, 72.7705, 20.1829 looks on a white background.

Color Contrast Check

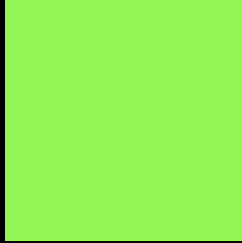
Large Text (above 18pt) WCAG AA × Fail

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 46.6281, 72.7705, 20.1829 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

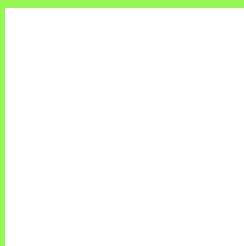
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 46.6281, 72.7705, 20.1829

Background



This preview shows how black text looks on a background with the XYZ color 46.6281, 72.7705, 20.1829.



This preview shows how white text looks on a background with the XYZ color 46.6281, 72.7705,

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

46.6281, 72.7705, 20.1829

Protanopia

65.2376, 71.8558, 17.6389

Deuteranopia

71.3724, 71.7875, 41.9929



Tritanopia

62.6293, 72.3174, 100.2803

Trichromacy



Original Color

46.6281, 72.7705, 20.1829



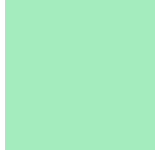
Protanomaly

56.3604, 70.8893, 18.4971



Deuteranomaly

59.6120, 70.6303, 31.9639



Tritanomaly

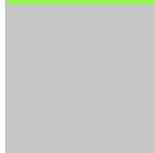
54.4906, 71.5575, 59.0841

Monochromacy



Original Color

46.6281, 72.7705, 20.1829



Achromatopsia

53.6758, 56.4712, 61.4971



Achromatomaly

48.9766, 60.6189, 41.0176

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.6281, 72.7705, 20.1829 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(147, 246, 85)` looks like.

```
.text, #text, p{  
    color:rgb(147, 246, 85)  
}
```

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(147, 246, 85) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(147, 246, 85) }
```

Border

The CSS property to change the border of an element to XYZ 46.6281, 72.7705, 20.1829 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(147, 246, 85) }
```


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

```
.border{ border-color:rgb(147, 246, 85) }
```

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

Here you see how a box with a 4 pixel rgb(147, 246, 85) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(147, 246, 85); -webkit-box-  
shadow:4px 4px 4px 4px rgb(147, 246, 85);  
box-shadow:4px 4px 4px 4px rgb(147, 246,  
85) }
```

Background

The CSS property to change the background color of an element to XYZ 46.6281, 72.7705, 20.1829 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(147, 246, 85) }
```

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

```
.background{ background-color: rgb(147,  
246, 85) }
```

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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