

Converting Colors

XYZ(36.4312, 21.5720, 4.9084)

Have a look what the booklet for
XYZ(36.4312, 21.5720, 4.9084)
contains.

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Color

**XYZ(36.3930, 21.5941,
4.9393)**

Conversions

Conversions Part 1

Format	Color
Hex	EA422F
RGB	234, 66, 47
RGB Percent	92%, 26%, 18%
CMY	0.0824, 0.7411, 0.8157
CMYK	0.00, 0.72, 0.80, 0.08
HSL	6°, 82%, 55%
HSV	6°, 80%, 92%
XYZ	36.3930, 21.5941, 4.9393
YIQ	114.0660, 106.2270, 29.7070

Conversions

Conversions Part 2

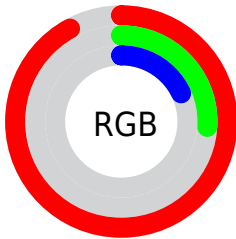
Format	Color
R_{YB}	234, 68, 47
Decimal	15352367
CIE _{Lab}	53.59, 63.10, 48.66
CIE _{LCh}	54, 79.685, 37.637
Yxy	21.5941, 0.5783, 0.3432
Android (android.graphics.Color)	4293542447 (0xFFEA422F)
YUV	114.0660, -33.0635, 105.1821
Hunter-Lab	46.4695, 58.4725, 26.2266

Details

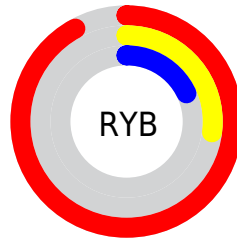
The XYZ color **36.3930, 21.5941, 4.9393** is a dark color, and the websafe version is hex **FF3333**. The color can be described as dark washed red. A complement of this color would be **40.3210, 55.1397, 86.3592**, and the grayscale version is **16.0892, 16.9271, 18.4336**.

A 20% lighter version of the original color is **50.5132, 36.5015, 15.2096**, and **16.5776, 8.5460, 0.7758** is the 20% darker color. If you saturate the color by 10%, you get **35.0302, 19.4327, 2.7471**, and if you desaturate by 10%, it is **38.4605, 24.7613, 8.6133**.

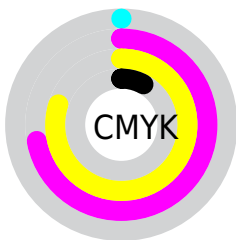
Distribution



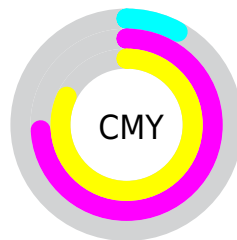
- Red (92%)
- Green (26%)
- Blue (18%)



- Red (92%)
- Yellow (27%)
- Blue (18%)



- Cyan (0%)
- Magenta (72%)
- Yellow (80%)
- Black (8%)





- Cyan (8%)
- Magenta (74%)
- Yellow (82%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 36.3930, 21.5941, 4.9393 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 36.3930, 21.5941, 4.9393 by changing the saturation by 10% instead.


 36.3930, 21.5941,
4.9393


 36.3930, 21.5941,
4.9393


322.0764,
260.4192, 158.1546


 24.9094, 13.5590,
2.1536


 68.9581, 46.0742,
16.1239

 16.1379, 7.8146,
0.6474


 90.7704, 63.2880,
25.3598


 9.7133, 3.9765,
0.0000


 116.7562, 84.3300,
37.5829

 5.2701, 1.6604,
0.0000

 147.2809,
109.5849, 53.2117

 2.4430, 0.3978,
0.0000

 182.7100,
139.4368, 72.6647

 0.8666, 0.0000,
0.0000

 223.4086,

 0.0000, 0.0000,

174.2702, 96.3605

0.0000

269.7423,
214.4695, 124.7176

■ 36.3930, 21.5941,
4.9393

■ 36.3930, 21.5941,
4.9393

■ 35.0302, 19.4327,
2.7471

■ 38.4605, 24.7613,
8.6133

■ 34.2586, 18.1448,
1.7024


■ 41.3112, 29.0334,
13.9696


■ 34.2537, 18.1369,
1.6954


■ 45.0143, 34.5017,
21.1786


■ 49.6312, 41.2469,
30.3895

■ 55.2174, 49.3427,
41.7362

 61.8240, 58.8573,
55.3410

 69.4986, 69.8540,
71.3173

 78.2857, 82.3926,
89.7703

 87.7414, 96.2323,
108.5580

Harmonies

Analogous

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



41.3788, 21.5941, 17.8202



36.3930, 21.5941, 4.9393



27.3980, 21.5941, 1.3506

Triad

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



36.3930, 21.5941, 4.9393



8.8099, 21.5941, 9.8135



22.7759, 21.5941, 107.2054

Complementary

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



36.3930, 21.5941, 4.9393



40.3210, 55.1397, 86.3592

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.



14.9091, 21.5941, 98.8856



36.3930, 21.5941, 4.9393



8.2068, 21.5941, 30.3032

Square

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



36.3930, 21.5941, 4.9393



12.0690, 21.5941, 2.5055



10.1055, 21.5941, 65.2866



32.2206, 21.5941, 83.5362

Rectangle

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



36.3930, 21.5941, 4.9393



21.2064, 21.5941, 0.8939



10.1055, 21.5941, 65.2866



19.8575, 21.5941, 108.2417

Sweetspot

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



36.3935, 21.5954, 4.9396



71.6145, 66.4647, 59.9757



47.2523, 24.4471, 66.7202



14.7230, 13.3537, 11.5920



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.



36.3935, 21.5954, 4.9396



41.8995, 22.4896, 2.4255



46.8771, 42.5627, 8.4342



15.1887, 15.3003, 15.6715



19.2907, 10.2757, 0.9667



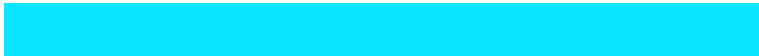
1.5564, 0.8901, 0.0898

Inverse Universe

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



40.3210, 55.1397, 86.3592



46.5058, 63.9421, 104.4987



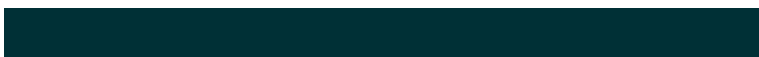
22.9586, 20.4149, 80.5718



15.3792, 16.8449, 19.3631



21.3796, 29.4063, 48.2921



1.7166, 2.3847, 3.8047

Previews

White Background



This preview shows how the XYZ color 36.3930, 21.5941, 4.9393 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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 36.3930, 21.5941, 4.9393 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 × Fail

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

XYZ 36.3930, 21.5941, 4.9393

Background



This preview shows how black text looks on a background with the XYZ color 36.3930, 21.5941, 4.9393.



This preview shows how white text looks on a background with the XYZ color 36.3930, 21.5941,

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

36.3930, 21.5941, 4.9393

Protanopia

19.9597, 21.8330, 8.1632

Deuteranopia

22.1205, 21.7047, 4.3901



Tritanopia

37.0777, 21.7223, 7.3929

Trichromacy



Original Color

36.3930, 21.5941, 4.9393

Protanomaly

23.5970, 19.7275, 6.5671

Deuteranomaly

25.8243, 20.3277, 4.3128

Tritanomaly

36.9407, 21.7585, 6.3905

Monochromacy



Original Color

36.3930, 21.5941, 4.9393

Achromatopsia

15.9940, 16.8269, 18.3245

Achromatomaly

20.2207, 16.5567, 11.8029

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.3930, 21.5941, 4.9393 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(234, 66, 47)` looks like.

```
.text, #text, p{  
    color:rgb(234, 66, 47)  
}
```

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(234, 66, 47) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(234, 66, 47) }
```

Border

The CSS property to change the border of an element to XYZ 36.3930, 21.5941, 4.9393 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(234, 66, 47) }
```


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

```
.border{ border-color:rgb(234, 66, 47) }
```

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

Here you see how a box with a 4 pixel rgb(234, 66, 47) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(234, 66, 47); -webkit-box-  
shadow:4px 4px 4px 4px rgb(234, 66, 47);  
box-shadow:4px 4px 4px 4px rgb(234, 66,  
47) }
```

Background

The CSS property to change the background color of an element to XYZ 36.3930, 21.5941, 4.9393 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(234, 66, 47) }
```

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

```
.background{ background-color: rgb(234, 66,  
47) }
```

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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