

Converting Colors

XYZ(40.1889, 21.0462, 1.9201)

Have a look what the booklet for
XYZ(40.1889, 21.0462, 1.9201)
contains.

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Color

**XYZ(40.3612, 21.1281,
1.9509)**

Conversions

Conversions Part 1

Format	Color
Hex	FC1200
RGB	252, 18, 0
RGB Percent	99%, 7%, 0%
CMY	0.0118, 0.9292, 1.0000
CMYK	0.00, 0.93, 1.00, 0.01
HSL	4°, 100%, 49%
HSV	4°, 100%, 99%
XYZ	40.3612, 21.1281, 1.9509
YIQ	85.9140, 145.2420, 44.0100

Conversions

Conversions Part 2

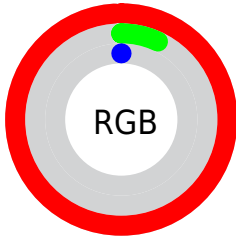
Format	Color
R_{YB}	252, 19, 0
Decimal	16519680
CIE _{Lab}	53.09, 78.02, 66.79
CIE _{LCh}	53, 102.700, 40.564
Yxy	21.1281, 0.6362, 0.3330
Android (android.graphics.Color)	4294709760 (0xFFFC1200)
YUV	85.9140, -42.3556, 145.6574
Hunter-Lab	45.9653, 76.2979, 29.6593

Details

The XYZ color **40.3612, 21.1281, 1.9509** is a dark color, and the websafe version is hex **FF0000**. The color can be described as dark saturated red. A complement of this color would be **46.9801, 65.8473, 102.3283**, and the grayscale version is **8.8981, 9.3615, 10.1947**.

A 20% lighter version of the original color is **46.5866, 30.6901, 7.6061**, and **19.7672, 10.1903, 0.9251** is the 20% darker color. If you saturate the color by 10%, you get **40.3616, 21.1294, 1.9511**, and if you desaturate by 10%, it is **41.1306, 22.3831, 3.0838**.

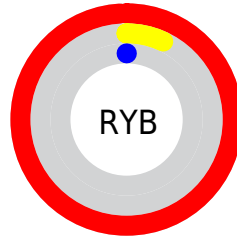
Distribution



Red (99%)

Green (7%)

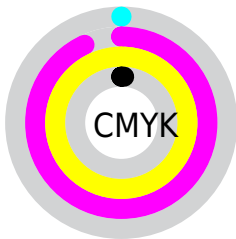
Blue (0%)



Red (99%)

Yellow (7%)

Blue (0%)

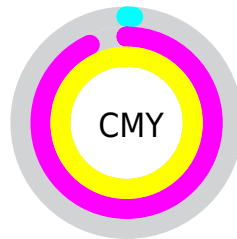


Cyan (0%)

Magenta (93%)

Yellow (100%)

Black (1%)



Cyan (1%)


Magenta (93%)


Yellow (100%)


Brightness & Saturation Gradients

These gradients show how the XYZ color 40.3612, 21.1281, 1.9509 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 40.3612, 21.1281, 1.9509 by changing the saturation by 10% instead.


 40.3612, 21.1281,
1.9509


 40.3612, 21.1281,
1.9509

 338.7520,
257.9585, 121.6096


 28.0057, 13.2177,
0.5248


 74.9941, 45.3006,
8.9061

 18.4705, 7.5786,
0.0000


 98.0022, 62.3315,
15.3357


 11.3900, 3.8265,
0.0000


 125.2919, 83.1714,
24.2914

 6.3990, 1.5770,
0.0000

 157.2286,
108.2045, 36.1917

 3.1321, 0.3420,
0.0000

 194.1776,
137.8154, 51.4551


 1.2240, 0.0000,
0.0000

 236.5043,


 0.1252, 0.0000,


172.3885, 70.5002


0.0000


 284.5739,
212.3080, 93.7455


 0.0000, 0.0000,
0.0000


 40.3612, 21.1281,
1.9509


 40.3612, 21.1281,
1.9509


 40.3616, 21.1294,
1.9511

 41.1306, 22.3831,
3.0838

 42.6101, 24.6912,
5.5834

 44.9443, 28.2296,
9.8453

 48.2372, 33.1378,
16.1151

 52.5781, 39.5366,
24.5996

■ 58.0456, 47.5336,
35.4799

■ 64.7111, 57.2263,
48.9184

■ 72.6400, 68.7044,
65.0632

■ 81.8929, 82.0514,
84.0511

Harmonies

Analogous

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



48.2124, 21.1281, 13.7299



40.3612, 21.1281, 1.9509



27.8188, 21.1281, 0.0000

Triad

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



40.3612, 21.1281, 1.9509



6.1703, 21.1281, 8.3423



24.1364, 21.1281, 145.0800

Complementary

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



40.3612, 21.1281, 1.9509



46.9801, 65.8473, 102.3283

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.



13.9311, 21.1281, 137.0986



40.3612, 21.1281, 1.9509



5.7992, 21.1281, 35.7282

Square

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



40.3612, 21.1281, 1.9509



9.3744, 21.1281, 0.9448



8.0722, 21.1281, 87.4464



36.8487, 21.1281, 104.2774

Rectangle

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



40.3612, 21.1281, 1.9509



19.8779, 21.1281, 0.0000



8.0722, 21.1281, 87.4464



20.2867, 21.1281, 148.5395

Sweetspot

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



40.3616, 21.1295, 1.9512



66.4622, 58.7664, 50.2233



55.1688, 26.7050, 80.9952



13.5745, 11.6328, 9.4330



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.



40.3616, 21.1295, 1.9512



41.4606, 21.7011, 2.0035



49.9371, 40.2804, 5.1430



17.3444, 17.4247, 17.9115



21.0625, 11.0816, 1.0289



1.9844, 1.0936, 0.1065

Inverse Universe

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



46.9801, 65.8473, 102.3283



48.2587, 67.6375, 105.1196



23.0607, 18.0085, 94.3552



17.6532, 19.3832, 22.1962



24.5192, 34.3939, 53.3199



2.3018, 3.2473, 4.9487

Previews

White Background



This preview shows how the XYZ color 40.3612, 21.1281, 1.9509 looks on a white background.

Color Contrast Check

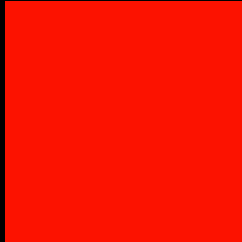
Large Text (above 18pt) WCAG AA ✓ Pass

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 40.3612, 21.1281, 1.9509 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 40.3612, 21.1281, 1.9509

Background



This preview shows how black text looks on a background with the XYZ color 40.3612, 21.1281, 1.9509.



This preview shows how white text looks on a background with the XYZ color 40.3612, 21.1281,

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

40.3612, 21.1281, 1.9509

Protanopia

19.3076, 21.3823, 4.4761

Tritanopia

40.0901, 21.1220, 1.9640

Trichromacy



Original Color

40.3612, 21.1281, 1.9509

Protanomaly

23.1444, 17.0972, 2.7421

Tritanomaly

40.0518, 21.0456, 1.9512

Monochromacy



Original Color

40.3612, 21.1281, 1.9509

Achromatopsia

8.8453, 9.3059, 10.1341

Achromatomaly

14.2124, 9.7243, 4.7423

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.3612, 21.1281, 1.9509 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, 18, 0)` looks like.

```
.text, #text, p{  
    color:rgb(252, 18, 0)  
}
```

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, 18, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(252, 18, 0) }
```

Border

The CSS property to change the border of an element to XYZ 40.3612, 21.1281, 1.9509 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, 18, 0) }
```

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

```
.border{ border-color:rgb(252, 18, 0) }
```

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

Here you see how a box with a 4 pixel rgb(252, 18, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(252, 18, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(252, 18, 0);  
box-shadow:4px 4px 4px 4px rgb(252, 18, 0)  
}
```


Background

The CSS property to change the background color of an element to XYZ 40.3612, 21.1281, 1.9509 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(252, 18, 0) }
```

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

```
.background{ background-color: rgb(252, 18,  
0) }
```

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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